The global specialist in energy management and automation

Singapore Price List 2016

Electrical Distribution, Automation & Control

Life Is On | Schneider Electric

SCHNEIDER ELECTRIC SINGAPORE PTE LTD
GENERAL TERMS AND CONDITIONS OF SALES

(Schneider reserves the right to make corrections in the case of any typing or clerical errors or omissions)

Definitions:

For the purpose of these General Terms and Conditions:

"Background IP" means each party's Intellectual Property Rights which are in existence at the date of this Contract or come into existence after the date of this Contract otherwise than in connection with this Contract.

"Contract" means the contract that shall govern the Supplies by SCHNEIDER ELECTRIC to the benefit of the PURCHASER which shall consist of the documents quoted below in decreasing order of priority as follows:

1. the Special Terms and Conditions;
2. the present General Terms and Conditions;
3. SCHNEIDER ELECTRIC's offer or quotation;
4. the Order; and
5. any other documents mutually agreed between the parties.

"Contract IP" means all Intellectual Property Rights (present or future) created, discovered or coming into existence as a result of, for the purpose of, or in connection with the Supplies.

"Contract Price" means the selling price of the Supplies and any other ancillary services expressly listed out in and agreed by the Parties to the Contract;

"Configure to Order" or **"CTO"** means the process by which PURCHASER defines the Goods and Equipment requirements and orders configured solutions, pursuant to which SCHNEIDER ELECTRIC will implement different methods of fulfilling the CTO orders based on the complexity of the solution ordered.

"Equipment" means any and all third party sourced finished goods, incorporated into the Solution or sold to or provided by SCHNEIDER ELECTRIC to PURCHASER under an Order.

"Goods" means the goods (including any instalment of the goods or any parts of them) which the Seller is to supply in accordance with these General Terms and Conditions and which may (without limitation) comprise or include Software.

"GTC" means these General Terms and Conditions of Sale.

"Intellectual Property Rights" means all intellectual property rights at any time recognised by law, including:
(1) patents, copyright (including future copyright), circuit layout rights, designs, trademarks and business names, whether registered or not ; and
(2) any application or right to apply for registration of any of the rights referred to in paragraph (1) above.

"Order" or "Orders" means the written order placed by the PURCHASER for the Supplies and documents (if any) incorporated by express reference on the face of the Order or Orders.

"Party" shall individually refer to either SCHNEIDER ELECTRIC or the PURCHASER.

"Parties" shall collectively refer to SCHNEIDER ELECTRIC and the PURCHASER.

"Personal Data" has the meaning given to that term in the Personal Data Protection Act 2012.

"Services" means the provision of work and/or other services which are the subject of the Order that may (without limitation) comprise and include Software and which may relate to installation in accordance with these Terms and Conditions.

"Solution" means a final Configure to Order system, power protection solutions or other solution all ordered together pursuant to an Order and comprising of Goods, Equipment and Services.

"Software" means the software and firmware items which are comprised or included in or related to the Supplies.

"STC" means the Special Terms and Conditions of Sale.

"Supplies" means Goods, Services and/or Solution.

GENERAL

Unless otherwise expressly agreed by the Parties in writing, the following GTC govern all Order or Orders and shall be read in conjunction with the STC which shall amend or supplement the GTC. All documents or oral communication other than those expressly referred to in or included as part of the Contract shall not be applicable between the Parties unless otherwise agreed in writing by the Parties.

VARIATION/CANCELLATION OF ORDERS

All Orders placed by the PURCHASER or accepted by SCHNEIDER ELECTRIC in writing cannot be varied or cancelled by the PURCHASER without the written agreement of SCHNEIDER ELECTRIC.

PRICE AND SPECIFICATIONS

3.1 Unless otherwise stated, prices quoted are in Singapore Dollar, Any prices quoted by SCHNEIDER ELECTRIC are subject to change at any time before the Contract comes into force pursuant to the STC.

3.2 Any and all specifications referred to in SCHNEIDER ELECTRIC's catalogues are meant only as a general guide and may be modified by SCHNEIDER ELECTRIC without prior notice at any time before acceptance of the Order.

WARRANTY

4.1 SCHNEIDER ELECTRIC warrants the Goods of its manufacture against any defects in construction arising from faulty design, materials or workmanship, for a period to be expressly stated in the STC in writing by SCHNEIDER ELECTRIC, except that no warranty is offered by SCHNEIDER ELECTRIC in the case of:

- goods not manufactured by SCHNEIDER ELECTRIC;
- defects arising either from materials supplied by the PURCHASER or from a design requested by the PURCHASER;
- replacement or repairs necessitated by the normal wear and tear of Goods or by damage caused by lack of care, insufficient inspection or maintenance or the improper storage of use of Goods by the PURCHASER (including failure to follow any instructions on use, inspection, storage, or maintained);
- Goods that have been repaired or modified by the PURCHASER or by third parties without the knowledge and written consent of SCHNEIDER ELECTRIC; and
- any defects or damage or adverse condition of Goods resulting from circumstances beyond the control of SCHNEIDER ELECTRIC, or not attributable to the acts or omissions of SCHNEIDER ELECTRIC.

4.2 This warranty is limited to the repair, modification or replacement (at the option of SCHNEIDER ELECTRIC) of parts or units of the Goods discovered to be defective at SCHNEIDER ELECTRIC's expense, inclusive of the costs of parts, The said repairing, modification or replacement during the warranty period shall in no case cause the warranty period of the Goods to be extended.

4.3 The foregoing warranties and remedies are exclusive and in lieu of all other warranties, representations, or conditions, express or implied, either in fact or by operation of law, statutory or otherwise, including warranties or conditions of merchantability, title, non-infringement and fitness for a particular purpose, The warranties contained herein run only to PURCHASER, and are not extended to any third parties.

4.4 PURCHASER agrees and acknowledges that any warranty on any Goods and/or Equipment is limited to the warranty given by the manufacturer of that Equipment and, to the maximum extent permitted by law, SCHNEIDER ELECTRIC gives no additional warranties in relation to any Equipment or any third party products sold by SCHNEIDER ELECTRIC.

LIMITATION OF LIABILITY

Notwithstanding anything in the Contract to the contrary and to the extent permitted by applicable law, (a) in no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, special or punitive damages of any kind, or for loss of revenue or profits, loss of business, loss of information or data, or other financial loss, whether such damages arise in contract, tort or otherwise, irrespective of fault, negligence or strict liability or whether such Party has been advised in advance of the possibility of such damages; and (b) the maximum liability of SCHNEIDER ELECTRIC for any and all claims, losses, damages, costs and expenses arising from or in connection with the Contract shall not exceed the amounts actually paid to SCHNEIDER ELECTRIC under the Contract.

DELIVERY AND ACCEPTANCE

6.1 SCHNEIDER ELECTRIC may, wherever applicable, invite the PURCHASER to witness the factory acceptance test ("FAT") of the Goods. In the event the PURCHASER is invited for the FAT but fails to be present, SCHNEIDER ELECTRIC shall proceed with the issue of certification in accordance with the internal testing and quality control of SCHNEIDER ELECTRIC and such Goods shall be deemed to be fit for despatch.

6.2 Unless otherwise expressly stated in the Order as accepted by SCHNEIDER ELECTRIC, SCHNEIDER ELECTRIC reserves the right to make delivery of the Goods in instalments, in such event, the PURCHASER agrees to pay for the separately invoiced instalments as and when such payment for each invoice falls due without regards and irrespective of subsequent deliveries, in particular, the PURCHASER shall remain obliged to accept any and all remaining deliveries despite any delay in delivery or non-delivery of any instalment of Goods.

6.3 In the event that shipment and/or delivery of the Goods or any part thereof is delayed or the PURCHASER fails to take delivery of the Goods within fifteen (15) days from the readiness date for delivery, at the designated port or place, due to whatsoever reason not attributable to SCHNEIDER ELECTRIC:
a) SCHNEIDER ELECTRIC shall be entitled to invoice and the PURCHASER shall pay for the full amount of the invoiced price; and

b) the PURCHASER shall be liable and shall indemnify SCHNEIDER ELECTRIC for all expenses incurred by SCHNEIDER ELECTRIC in connection with the storage and maintaining of the Goods including but not limited to demurrage, costs of preparation for storage, storage charges, taxes, insurance, charges for extending banking or finance facilities such as inter alia, letters of credit and trust receipts facilities, and/or handling charges.

6.4 The PURCHASER shall inspect the Goods on delivery and inform SCHNEIDER ELECTRIC immediately if the Goods are found not to be in satisfactory condition, In any event, the PURCHASER is deemed to have accepted the Goods and their condition as satisfactory on the acceptance of SCHNEIDER ELECTRIC's delivery order.

6.5 SCHNEIDER ELECTRIC shall deliver the Goods in accordance with the delivery schedule agreed between the parties. In the event SCHNEIDER ELECTRIC fails to deliver such Goods as scheduled and the failure is solely due to causes within the reasonable control of SCHNEIDER ELECTRIC, and not due to the PURCHASER's errors, omissions, actions or a force majeure event, SCHNEIDER ELECTRIC shall pay to the PURCHASER liquidated damages at the rate of 0.5% of the value of the delayed portion of Goods for each full week delay following a fourteen (14) days grace period, up to an aggregate amount not exceeding 5% of the Contract Price. Liquidated damages shall be the sole and exclusive remedy for the PURCHASER in the event of any late delivery of the Goods by SCHNEIDER ELECTRIC.

TITLE AND OWNERSHIP

7.1 Ownership and title to the Supplies sold under the Contract herein shall be retained by SCHNEIDER ELECTRIC until the entire purchase price and all other sums due under the Contract herein have been fully paid by the PURCHASER, and the PURCHASER further agrees to do all things required to protect SCHNEIDER ELECTRIC's ownership and title to the Supplies and not to do anything prejudicial or in any way affecting SCHNEIDER ELECTRIC's ownership and title to the Supplies without the written consent of SCHNEIDER ELECTRIC.

7.2 Risk in respect of the Supplies passes to the PURCHASER according to the agreed INCOTERMS or at delivery.

CLAIMS

8.1 The PURCHASER agrees to make all claims against SCHNEIDER ELECTRIC in writing and within the periods specified below:
a) Claims for errors in shipment or delivery to be made within fourteen (14) days of the date of receipt of Goods.
b) Claims for defects in Goods to be made with full particulars during the warranty period set out in the STC.

8.2 Claims for errors in invoicing to be made with full particulars within thirty (30) days of the date of the invoice.

8.3 In the event SCHNEIDER ELECTRIC is satisfied that the PURCHASER has grounds for making a claim and has done so within the periods stipulated above, SCHNEIDER ELECTRIC shall at its option either replace the defective Goods or make adjustments in the price of the Goods and/or correct any errors in shipment, delivery or invoicing. Freight charges on returned Goods shall be paid by the PURCHASER.

FORCE MAJEURE

9.1 SCHNEIDER ELECTRIC shall not be liable for any non-performance, or failure or delay in the performance of its obligations under the Contract resulting from any cause beyond their reasonable control including but not limited to compliance with any regulations, order, acts, instructions or priority request of any government agencies or any departments or agencies thereof, civil or military authority, or due to the acts or omissions of the PURCHASER, acts of God, fires, flood or other weather conditions, strikes, factory shut-downs, breakdown of plants wars, hostilities or insurrection, riots, storage or delayed arrival of raw materials, epidemics, delay in transport, harbour congestion or detention. The receipt of Goods by the PURCHASER further constitutes a waiver of any claims which the PURCHASER may have (if any) against SCHNEIDER ELECTRIC.

9.2 If performance of SCHNEIDER ELECTRIC's obligations is delayed or hindered by circumstances outside SCHNEIDER ELECTRIC's control amounting to force majeure as stated in clause 10.1 above, SCHNEIDER ELECTRIC's duty to perform shall be suspended for as long as the circumstances amounting to force majeure continue, and the time for performance of SCHNEIDER ELECTRIC's obligations shall be extended by a period equal to the duration of those circumstances.

INTELLECTUAL PROPERTY

10.1 Each party will retain all Intellectual Property Rights in their respective Background IP.

10.2 SCHNEIDER ELECTRIC will retain all Intellectual Property Rights in the Contract IP and there shall be no transfer of the Contract IP to the PURCHASER or any third party at any time.

10.3 Subject to payment in full for the Supplies, SCHNEIDER ELECTRIC shall grant to PURCHASER a royalty free, non-exclusive, irrevocable license to use the Background IP and Contract IP necessary for the PURCHASER to enjoy the benefit of the Goods and Services for the purposes of or in connection with PURCHASER's business.

TERMS OF PAYMENT

11.1 Subject to Clause 12.2 herein and the STC, payment to SCHNEIDER ELECTRIC must be made by the PURCHASER in accordance with the agreed credit terms by cash, cheque or bank transfer in the currency as invoiced by SCHNEIDER ELECTRIC. All overdue outstanding amounts shall be subject to late payment interest at the rate of one percent (1%) above prime bank rate per month until full settlement by the PURCHASER.

11.2 On default by the PURCHASER of any payment or the failure to perform any terms or conditions of the Contract or by the doing or causing to be done of any act or thing whereby SCHNEIDER ELECTRIC's interest or rights are or may be prejudiced or in the event that any civil proceedings (including bankruptcy or winding up proceedings) are commenced (either voluntarily or involuntarily) or instituted against the PURCHASER, SCHNEIDER ELECTRIC shall be entitled to demand the total unpaid balance as becoming immediately due and payable, and in such event SCHNEIDER ELECTRIC may without notice or demand repossess and/or resell the Goods or any part thereof by public or private sale.

11.3 If the unpaid balance plus interest thereon at one percent (1%) above prime bank rate per month is not satisfied by the net proceeds of such a sale after deducting all expenses incurred in repossession, repairs necessary to restore the Goods to saleable condition, storage, taxes, liens, attorney's and collection agency fees, expenses of sale and other necessary expenses in connection therewith, the PURCHASER shall remain liable to pay the balance outstanding without prejudice to SCHNEIDER ELECTRIC's other rights and without affecting the PURCHASER's other liabilities to SCHNEIDER ELECTRIC.

11.4 The PURCHASER's liability to pay for the Goods or any part thereof shall not in any manner be affected or waived by any delay or omission to renew invoices or other payment documents (if applicable).

SUSPENSION AND TERMINATION

12.1 Suspension:
a) SCHNEIDER ELECTRIC reserves the right to suspend the performance of the Contract at any time through notification made by registered letter with acknowledgement of receipt sent to the PURCHASER in case of PURCHASER's failure to settle any invoice or issue any payment documentary in accordance with the mode of payment in STC.
b) In the event of suspension pursuant to clause 13.1(a), SCHNEIDER ELECTRIC shall have the right to invoice and the PURCHASER shall pay for the following costs:
(i) mobilisation or demobilisation of project staff based on substantiated costs incurred with a fixed minimum amount equal to 20% of the study / engineering hours;
(ii) storage fee; and
(iii) financial costs.

12.2 Termination:
a) SCHNEIDER ELECTRIC shall be entitled to terminate this Contract with immediate effect and thereby be discharged from all its obligations under this Contract and any liability to the PURCHASER in any of the following events:
(i) any default of payment and such default continues for a period of thirty (30) days after the issue of a written notice by SCHNEIDER ELECTRIC;
(ii) PURCHASER fails to take delivery of the Goods or any part thereof under this or any or any other orders made by the PURCHASER to SCHNEIDER ELECTRIC within thirty (30) days from the date of delivery;
(iii) prolonged suspension of the obligations of the parties due to force majeure or whatsoever reasons; or
(iv) if the PURCHASER becomes insolvent or upon the institution by the PURCHASER of insolvency, receivership or bankruptcy proceedings or any other proceedings for the settlement of its debts.
b) Any Orders made by the PURCHASER may be terminated by the PURCHASER only upon a thirty (30) days written notice by the PURCHASER to SCHNEIDER ELECTRIC subject to Clause 2 herein and further subject to the payment of reasonable and proper termination charges at the sole discretion of SCHNEIDER ELECTRIC, including but not limited to all costs incurred relating to or in connection with the Orders up to the date of receipt of written notice of termination.
c) SCHNEIDER ELECTRIC further reserves the right to demand payment of up to 100% of the net selling price as termination charges from the PURCHASER in the event of termination. The quantum for termination charges is as follows (whichever is applicable):
- Upon submission of approval drawings: 10% of the Contract Price
- Upon commencement of production: 25% of the Contract Price
- After commencement but before completion of production: 50% of the Contract Price
- After completion of production:85% of the Contract Price
- After delivery: 100% of the Contract Price

ENVIRONMENT, HEALTH AND SAFETY

13.1 The Parties shall at all times comply with the guidelines of the Occupational Health and Safety Advisory Services and the Workplace Safety and Health Act 2006.

13.2 If SCHNEIDER ELECTRIC's guidelines on environment, health and safety (hereinafter referred to as the "EHS Guidelines" which are found in the official website of SCHNEIDER ELECTRIC at www.schneider-electric.com) are more stringent than those requested by the PURCHASER or mandated by the applicable statutory acts and regulations, the EHS Guidelines shall apply.

13.3 PURCHASER shall be responsible for providing safe site and working conditions to SCHNEIDER ELECTRIC personnel, Throughout the duration of the Supplies, the PURCHASER shall never force SCHNEIDER ELECTRIC's personnel to perform work under any hazardous, unsafe, unhealthy or environmentally unsound condition. SCHNEIDER ELECTRIC shall be entitled to send its engineer(s) to carry out a risk assessment at the site prior to commencement of any work. In the event the outcome of the risk assessment does not permit the personnel of SCHNEIDER ELECTRIC to enter the site or to carry out any work, SCHNEIDER ELECTRIC shall have no obligation to commence work.

13.4 In the event the PURCHASER fails to adhere to the EHS Guidelines, SCHNEIDER ELECTRIC shall have the right, in addition to any other remedies which it may have under the Contract or otherwise, to an automatic extension of time, to any cost or expenses incurred as a result thereof, and/or even to terminate the Contract with immediate effect by giving a written notice to the PURCHASER.

DATA PROTECTION

14.1 The Parties shall at all times comply with the Personal Data Protection Act 2012 and all binding regulations made thereunder.

14.2 To the extent that the PURCHASER discloses any Personal Data to SCHNEIDER ELECTRIC in connection with the execution and/or performance of the Contract, the PURCHASER consents, and shall ensure that it has obtained the consent of any individuals to whom the Personal Data relates, to SCHNEIDER ELECTRIC collecting and using the Personal Data as reasonably necessary to perform the Contract, including disclosing the Personal Data to sub-contractors or affiliates in or outside of Singapore for the purpose of performing the Contract.

14.3 The PURCHASER shall promptly inform SCHNEIDER ELECTRIC upon becoming aware of the withdrawal by any relevant individual of his/her consent to the collection, use and/or disclosure of such Personal Data. In the event that SCHNEIDER ELECTRIC is, as a result of such withdrawal, unable to perform the Contract or unable to do so without incurring any material additional costs, the PURCHASER hereby agrees that SCHNEIDER ELECTRIC shall be permitted to terminate the Contract in accordance with clause 12.2(a), without prejudice to any claims for damages or any other remedy SCHNEIDER ELECTRIC may have at law against the PURCHASER.

14.4 The PURCHASER acknowledges and agrees that SCHNEIDER ELECTRIC shall act as the PURCHASER's data intermediary (as that term is defined in the Personal Data Protection ACT 2012) in respect of Personal Data of any third party (including employees, agents, contractors or customers of the PURCHASER) disclosed to SCHNEIDER ELECTRIC in connection with the Contract. SCHNEIDER ELECTRIC shall only process such Personal Data disclosed to it by the PURCHASER in accordance with the PURCHASER's instructions.

EXPORT CONTROL

15.1 The Supply provided by SCHNEIDER ELECTRIC under this Contract contains or may contain components and/or technologies from United States of America, European Union and/or other nations, PURCHASER acknowledges and agrees that the supply, assignment and/or usage of the Supply under this Contract shall fully comply with related applicable United States, European Union and other national and international export control laws and/or regulations.

15.2 Unless applicable export license/s has been obtained from the relevant authority and SCHNEIDER ELECTRIC has approved, the Supply shall not (i) be exported and/or re-exported to any destination and party (may include but not limited to an individual, group and/or legal entity) restricted by the applicable export control laws and/or regulations; or (ii) be used for those purposes and fields restricted by the applicable export control laws and/or regulations.

15.3 PURCHASER agrees that the Supply will not be used either directly or indirectly in any rocket systems or unmanned air vehicles; nor be used in any nuclear weapons delivery systems; and will not be used in any design, development, production or use for any weapons which may include but not limited chemical, biological or nuclear weapons.

15.4 If any necessary or advisable licenses, authorizations or approvals are not obtained, whether arising from inaction by any relevant government authority or otherwise, or if any such licenses, authorizations or approvals are denied or revoked, or if the applicable export control laws and/or regulations would prohibit SCHNEIDER ELECTRIC from fulfilling any order, or would in SCHNEIDER ELECTRIC's judgement otherwise expose SCHNEIDER ELECTRIC to a risk of liability under the applicable export control laws and/or regulations if it fulfilled the order, SCHNEIDER ELECTRIC shall be excused from all obligations under such and/or this Contract.

GOVERNING LAW AND JURISDICTION

The Contract shall be subject to the Laws of Singapore and all disputes, disagreements, claims and demands shall be subject to exclusive jurisdiction of the Courts of Singapore.

COSTS OF RECOVERY/ENFORCEMENT OF RIGHTS

In the event that the PURCHASER breaches any of its obligations under this Contract or its duties to SCHNEIDER ELECTRIC (which shall includes its servants, employees or agents) whether tortious, statutory or otherwise, the PURCHASER shall be liable to pay and/or indemnify SCHNEIDER ELECTRIC for all costs, expenses, fees and charges incurred in connection with the demand, commencement of legal action and prosecution of claims against the PURCHASER on a full indemnity basis.

*Information is correct at the time of printing and subject to changes without prior notice.

Commercial Logistic Offer

Schneider Electric Singapore

Effective from 1 January 2016

The Commercial Logistic Offer is designed to ensure consistency and reliability in our services and delivery.

Standard Order

The standard lead time starts **from the order entry** in our system **to the delivery at the customers' site.**

Product Category	Standard Delivery
Stock	D+1 working day
Adapted / Modified	D+3 working days
Non-Stock (Indent)	Contact Customer Care Centre for details

D=Day the Customer Care Center receives your order

- Above lead times apply to Purchase Order received before **cut-off time, 5pm.**
- For **large quantities orders** of a single product, lead time may be extended. Please consult MySE or the Logistics Catalogue for more details.

How to Place an Order

Send your **Purchase Order** to our Customer Care Center (via email or fax) or order through MySE.

My Schneider Electric
> Product Search
> Price & Availability Check
> Order Entry & Order Status
> Deliver Status
> Available 24/7

Clean order parameters to be respected for order booking:

- correct product reference, quantity and price
- customer requested delivery (CRD) date defined, which is within 6 months of order placement
- use of Order Form or MyPact for Adapted Products
- Lot Sizes, Minimum Order Quantities, Lead Times
- others if applicable (Project name, SPA number etc.)

We recommend use of MySE to ensure clean orders are placed.

The **Order Acknowledgement (with our Contractual Delivery Dates)** will be sent by the next working day.

Free Local Delivery

Delivery is free of charge for all purchase orders with a minimum value of $250 (before GST).

For small orders below $250, a delivery fee of $25 will be applied per Purchase Order. It is advisable to consolidate your small Purchase Orders.

We only deliver to **buyer address.**

Delivery Type

Partial delivery per order line: each order line is delivered according to your Requested Date, or when the stock is available (default delivery type).

Complete delivery per shipment: all order lines will be delivered in a same shipment only when all references are available. Complete delivery must be indicated in your POs, whenever needed. Kindly check ☑ Complete Delivery in MySE or inform CCC when placing the order.

Self-Collection

- For standard orders, you have the option to pick up the goods from our warehouse.
- "Self-Collection" must be clearly indicated on your Purchase Order, and must be received by Customer Care Centre before **5pm.**
- No charges will be imposed for Self-Collection.
- Self Collection must be physically accompanied by the relevant PO, to authorise a Schneider Electric staff to release the goods to your transporter.
- Give **at least 4 working hours** prior to your trip to pick up the goods at our distribution centre.

Self-collection hours (only on working days):

Morning:	8:00 am to 11:00 am
Afternoon:	1:00 pm to 7:00 pm
Night:	8:45 pm to 10:00 pm

Distribution Centre address:
Hub Asia, 46 Penjuru Lane, C&P, Hub 3 Level 4, Singapore 609206

Self-Collect items which are not collected will be delivered to your premises after 3 working days and please note that delivery charges will be applicable. Kindly refer to the above for the delivery terms.

Contact Us

Customer Care Centre (CCC)

Tel: **6484 7877**
Fax: 6481 7159

Email: customercare.sg@schneider-electric.com

Website: www.schneider-electric.com.sg

Operating hours:
8:30am to 5:30pm
Monday to Friday, excluding public holiday

Information above are subject to changes without prior notice

Life Is On Schneider Electric

Commercial Logistic Offer

Schneider Electric Singapore

Effective from 1 January 2016

The Commercial Logistic Offer is designed to ensure consistency and reliability in our services and delivery.

Who to contact for support?

Topic	Contact
Quotation	Sales
Special price	
Training	
Logistics information	Customer Care Center
Order placement	
Order modification	
Delivery	
After sales service	
Product Return	
Technical support	
Warranty	

Order Modification/Cancellation

We accept order modifications or cancellations for **Adapted & Modified** Items, as long as these requests are made in writing to CCC, at least 7 working days before the CRD.

Order modifications will include requests for partial delivery (withing order lines).

We are unable to accept any order modification or cancellation for **Indent** Items.

With our regional distribution ceter located in Singapore, we deliver tomorrow more than 21,000 references.

Commerical Returns

This applies to non-defective products. We can only accept return of goods in their original condition and original packaging.

Product Category	Commercial return
Stock Items	within 2 weeks from the invoice date
Adapted / Modified Items	Not accepted
Non-Stock (Indent)	Not accepted

Value Added Services

Upon request and at a nominal charge, we provide value added logistic services such as:

- Safety mark labeling
- Kitting (packing done according to BOM list)
- Special packaging
- Ronis key lock configuration for ACB

(D+5 working days lead time is required)

MyLogistics

MyLogistics is a one-stop online platform through which customers can easily access a library of tools and information offered by our Logistics team. It promotes digital customer experience with Schneider Electric.

MyLogistics SG can be accessed via:
http://www.schneider-electric.com.sg/sites/singapore/en/support/mylogistics/mylogistics.page

For Obsolete Parts, please sent email to:
SGService.Sales@schneider-electric.com

Logistics Return

At delivery, if you notice:

- difference in quantities
- wrong product delivered
- packaging discrepancy
- incorrect documentation
- damaged goods

Note it down on the Delivery Order (DO) and contact the Customer Care Center. Logistic Returns needs to be received within **5 working days** (after initial delivery), failing which any claims will not be accepted.

Product Replacement and/or Exchange will be effected no later than 1 week after Schneider confirmation.

Technical Returns & Warranty

This refers to defective products.

Our products are guaranteed for a period of **12 months** from the date of delivery. Please refer to the Warranty clause at the back of our invoice for more details.

For warranty cases, please email to: warranty.SG@schneider-electric.com

Information above are subject to changes without prior notice

Life Is On Schneider Electric

Contents

Power

Air circuit breaker A
Masterpact NT and NW
EasyPact MVS

Moulded case circuit breaker B
Compact NSX100 to NSX630
Compact NS630b to NS3200
EasyPact EZC circuit breakers
EasyPact CVS100 to CVS630

Source-changeover systems C
Source-changeover Compact and Masterpact

Final distributions D
Circuit protection
Acti 9/ Multi9
Earth leakage protection
Monitoring & Control of Protection
Overvoltage protection (Surge arrester)
Auxiliaries and Accessories
Local control and indication
Control components
PK plugs and sockets

Switch-disconnectors E
Compact INS40 to 2500

Earth Leakage relays F
Vigirex residual current protection relays
Sensors

Control and protection components G
Contactors
Motor starters
CA control relays

Power management & PowerLogic® system H
PowerLogic®
Power-monitoring units
Sepam protection relays

Power factor correction and harmonic filtering I
EasyCan and VarplusCan
Varlogic series

Contents

Industrial Automation

Soft starters and variable speed drives 1
Soft starters
Variable speed controllers
SoMove setup software
Servo drive and motor combinations

Operator dialog 2
Control and signalling units
Human-Machine interfaces

Automation 3
Relays - Zelio
Smart relays - Zelio Logic
Power supplies

Detection 4
Photo-electric sensors
Inductive proximity sensors
Limit switches
Sensors for pressure control
Machine cabling accessories

Machine safety 5
Safety detection solutions
Safety dialogue solutions

Reference	Price (S$)	Page	COS
04000			
04000	150.00	D27	CU0DF
15000			
15281	119.50	D41	CU0D317J
15331	221.40	D40	CU0D317J
15336	110.20	D40	CU0D317J
15337	312.40	D40	CU0D317J
15359	7.90	D41	CU0D317J
15363	119.50	D41	CU0D317J
15366	273.60	D40	CU0D317J
16000			
16065	218.15	D39	CU0D317J
16066	252.56	D39	CU0D317J
16067	252.56	D39	CU0D317J
16068	255.34	D39	CU0D317J
16069	308.18	D39	CU0D317J
16070	318.58	D39	CU0D317J
18000			
18526	78.69	D31	CU0D317A
18527	46.14	D31	CU0D317A
18610	131.70	D13	CU0D318L
18611	131.70	D13	CU0D318L
18612	131.70	D13	CU0D318L
18613	131.70	D13	CU0D318L
18614	131.70	D13	CU0D318L
18615	131.70	D13	CU0D318L
18616	156.50	D13	CU0D318L
18617	156.50	D13	CU0D318L
18621	223.40	D13	CU0D318L
18622	223.40	D13	CU0D318L
18623	223.40	D13	CU0D318L
18624	223.40	D13	CU0D318L
18625	223.40	D13	CU0D318L
18626	223.40	D13	CU0D318L
18627	245.80	D13	CU0D318L
18628	245.80	D13	CU0D318L
18632	321.10	D13	CU0D318L
18633	321.10	D13	CU0D318L
18634	321.10	D13	CU0D318L
18635	321.10	D13	CU0D318L
18636	321.10	D13	CU0D318L
18637	321.10	D13	CU0D318L
18638	384.60	D13	CU0D318L
18639	384.60	D13	CU0D318L
18649	424.60	D13	CU0D318L
18650	424.60	D13	CU0D318L
18651	424.60	D13	CU0D318L
18652	424.60	D13	CU0D318L
18653	424.60	D13	CU0D318L
18654	424.60	D13	CU0D318L
18655	424.60	D13	CU0D318L
18656	424.60	D13	CU0D318L
18708	141.70	D13	CU0D318L
18709	141.70	D13	CU0D318L
18710	141.70	D13	CU0D318L
18711	169.70	D13	CU0D318L
18712	169.70	D13	CU0D318L
18714	242.30	D13	CU0D318L
18715	242.30	D13	CU0D318L
18716	242.30	D13	CU0D318L
18717	242.30	D13	CU0D318L
18718	242.30	D13	CU0D318L
18719	242.30	D13	CU0D318L
18720	265.00	D13	CU0D318L
18721	265.00	D13	CU0D318L
18723	347.20	D13	CU0D318L
18724	347.20	D13	CU0D318L
18725	347.20	D13	CU0D318L
18726	347.20	D13	CU0D318L
18727	347.20	D13	CU0D318L
18728	347.20	D13	CU0D318L
18729	416.40	D13	CU0D318L
18730	416.40	D13	CU0D318L
18732	458.60	D13	CU0D318L
18733	458.60	D13	CU0D318L
18734	458.60	D13	CU0D318L
18735	458.60	D13	CU0D318L
18736	458.60	D13	CU0D318L
18737	458.60	D13	CU0D318L
18738	458.60	D13	CU0D318L
18739	458.60	D14	CU0D318L
18777	167.00	D14	CU0D318L
18778	167.00	D14	CU0D318L
18779	167.00	D14	CU0D318L
18780	167.00	D14	CU0D318L
18781	167.00	D14	CU0D318L
18782	167.00	D14	CU0D318L
18783	198.50	D14	CU0D318L
18784	198.50	D14	CU0D318L
18788	285.60	D14	CU0D318L
18789	285.60	D14	CU0D318L
18790	285.60	D14	CU0D318L
18791	285.60	D14	CU0D318L
18792	285.60	D14	CU0D318L
18793	285.60	D14	CU0D318L
18794	311.90	D14	CU0D318L
18795	311.90	D14	CU0D318L
18799	408.50	D14	CU0D318L
18800	408.50	D14	CU0D318L
18801	408.50	D14	CU0D318L
18802	408.50	D14	CU0D318L
18803	408.50	D14	CU0D318L
18804	408.50	D14	CU0D318L
18805	490.40	D14	CU0D318L
18806	490.40	D14	CU0D318L
18810	539.70	D14	CU0D318L
18811	539.70	D14	CU0D318L
18812	539.70	D14	CU0D318L
18813	539.70	D14	CU0D318L
18814	539.70	D14	CU0D318L
18815	539.70	D14	CU0D318L
18816	539.70	D14	CU0D318L
18817	539.70	D14	CU0D318L
18879	517.60	D14	CU0D318L
18880	440.00	D14	CU0D318L
18881	440.00	D14	CU0D318L
18882	440.00	D14	CU0D318L
18883	440.00	D14	CU0D318L
18884	440.00	D14	CU0D318L
18885	440.00	D14	CU0D318L
18886	527.10	D14	CU0D318L
19000			
19064	149.80	D29	CU0D318L
19066	149.80	D29	CU0D318L
19067	151.30	D29	CU0D318L
19070	151.30	D29	CU0D318L
19071	151.00	D29	CU0D318L
19072	151.00	D29	CU0D318L
19080	50.20	D29	CU0D318L
19081	66.80	D29	CU0D318L
19082	77.00	D29	CU0D318L
19083	88.00	D29	CU0D318L
19084	84.00	D29	CU0D318L
19085	88.60	D29	CU0D318L
19086	125.00	D29	CU0D318L
19087	143.00	D29	CU0D318L
19088	504.00	D29	CU0D318L
19090	77.30	D29	CU0D318L
19092	211.00	D29	CU0D318L
26000			
26970	19.87	D31	CU0D317A
26975	22.45	D31	CU0D317A
26976	22.45	D31	CU0D317A
26981	23.48	D31	CU0D317A
26996	65.30	D31	CU0D317A
26997	65.30	D31	CU0D317A
27000			
27001	30.49	D31	CU0D317A
27046	65.57	D31	CU0D317A
27047	52.53	D31	CU0D317A
27048	52.53	D31	CU0D317A
27145	42.64	D31	CU0D317A
28000			
28900	126.50	E1	CN0B5
28901	140.10	E1	CN0B5
28902	149.00	E1	CN0B5
28903	190.60	E1	CN0B5
28904	166.90	E1	CN0B5
28905	188.50	E1	CN0B5
28907	201.00	E1	CN0B5
28908	206.10	E1	CN0B5
28909	231.60	E1	CN0B5
28910	306.00	E1	CN0B5
28911	346.50	E1	CN0B5
28912	370.30	E1	CN0B5
28913	421.30	E1	CN0B5
28955	45.20	E1	CN0B5
28956	56.70	E1	CN0B5
28957	62.00	E1	CN0B5
28958	74.60	E1	CN0B5
28959	31.50	E1	CN0B5
29000			
29315	24.50	B27, B24 B84	CN0A3
29352	1274.00	C3 to 5	CN0AZ
29354	309.10	B84	CN0AZ
29370	22.00	B24, B43 B83, B90	CN0AZ
29371	51.70	B83	CN0AZ
29450	65.30	B22, B41, B82, B89	CN0A3
29450	65.30	E1 to 3	CN0A3
29452	104.10	B22,B41, B82, B89	CN0A3

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Reference	Price (S$)	Page	COS
29452	104.10	E1 to 3	CN0A3
29470	3003.90	C1, C3 to 5	CN0AZ
29471	2973.60	C1, C3 to 5	CN0AZ
29472	4669.60	C1, C3 to 5	CN0AZ
29473	4622.50	C1, C3 to 5	CN0AZ
30000			
3020B012S	2775.64	H2	AM03D
3020B032S	2860.83	H2	AM03D
3020B043S	2943.74	H2	AM03D
3020B083S	3026.76	H2	AM03D
3020B084S	3110.81	H2	AM03D
3020B164S	3193.82	H2	AM03D
3020B244S	3275.81	H2	AM03D
3020E012S	3396.90	H2	AM03K
3020E032S	3498.90	H2	AM03K
3020E043S	3600.60	H2	AM03K
3020E083S	3813.68	H2	AM03D
3020E084S	3803.60	H2	AM03K
3020E164S	4022.77	H2	AM03D
3020E244S	4008.60	H2	AM03D
31000			
31052	361.60	E2	CN0B5
31055	378.00	E2	CN0B5
31106	483.50	E2	CN0B5
31107	533.60	E2	CN0B5
31108	817.90	E2	CN0B5
31109	976.60	E2	CN0B5
31110	882.80	E2	CN0B5
31111	1041.40	E2	CN0B5
31112	1281.30	E2	CN0B5
31113	1474.80	E2	CN0B5
31114	1434.20	E2	CN0B5
31115	1659.90	E2	CN0B5
31146	1508.00	E2	CN0AZ
31147	1600.60	E2	CN0AZ
31148	2413.90	E2	CN0AZ
31149	2720.70	E2	CN0AZ
31150	2995.20	E2	CN0AZ
31151	3380.00	E2	CN0AZ
31152	3345.70	E2	CN0AZ
31153	3737.80	E2	CN0AZ
31154	3652.50	E2	CN0AZ
31155	4112.20	E2	CN0AZ
31288	419.30	E3	CN0B5
31295	111.20	E3	CN0B5
31305	479.40	E3	CN0B5
31306	637.50	E3	CN0B5
31330	3059.00	E3	CN0B5
31331	3178.30	E3	CN0B5
31332	3957.60	E3	CN0B5
31333	4256.50	E3	CN0B5
31334	4706.30	E3	CN0B5
31335	5065.30	E3	CN0B5
31336	5284.60	E3	CN0B5
31337	5874.20	E3	CN0B5
31342	2950.90	E3	CN0B5
31343	3138.50	E3	CN0B5

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32000			
32556	34.50	B46, B91	CN0A3
32595	240.70	B46	CN0A3
32614	476.30	B91	CN0AZ
32631	90.70	B61, B64	CN0AZ
33000			
33013	354.40	B58, B59	CN0AT
33014	472.80	B58, B59	CN0AT
33015	398.70	B58, B59	CN0AT
33016	531.50	B58, B59	CN0AT
33108	66.70	B58, B64	CN0A3
33109	106.10	B58, B64	CN0A3
33170	102.00	B59	CN0AT
33171	102.00	B59	CN0AT
33200	730.40	A7	CN0AT
33201	730.40	A7	CN0AT
33209	312.20	A7, A16, A23	CN0A3
33223	3549.60	B51	CN0A3
33227	4976.40	B51	CN0A3
33228	4976.40	B51	CN0A3
33229	7115.70	B51	CN0A3
33233	3628.20	B51	CN0A3
33237	5201.10	B51	CN0A3
33238	5802.20	B51	CN0A3
33239	8354.40	B51	CN0A3
33243	5201.10	B51	CN0A3
33247	7453.70	B51	CN0A3
33248	7453.70	B51	CN0A3
33249	10831.60	B51	CN0A3
33253	6852.60	B51	CN0A3
33257	9931.00	B51	CN0A3
33258	9931.00	B51	CN0A3
33259	15010.40	B51	CN0A3
33263	10607.00	B51	CN0A3
33267	15561.60	B51	CN0A3
33268	15561.60	B51	CN0A3
33269	23737.00	B51	CN0A3
33323	4350.40	B51	CN0A3
33327	5777.20	B51	CN0A3
33328	5777.20	B51	CN0A3
33329	7916.50	B51	CN0A3
33333	4500.10	B51	CN0A3
33337	6001.90	B51	CN0A3
33338	6603.00	B51	CN0A3
33339	9155.20	B51	CN0A3
33343	6001.90	B51	CN0A3
33347	8254.50	B51	CN0A3
33348	8254.50	B51	CN0A3
33349	11632.40	B51	CN0A3
33353	7653.40	B51	CN0A3
33357	10731.80	B51	CN0A3
33358	10731.80	B51	CN0A3
33359	15811.20	B51	CN0A3
33363	11407.80	B51	CN0A3
33367	16362.40	B51	CN0A3
33368	16362.40	B51	CN0A3
33369	24537.80	B51	CN0A3
33460	2852.80	B50	CN0A3
33461	4279.60	B50	CN0A3
33462	8558.20	B50	CN0A3

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33463	4279.60	B50	CN0A3
33464	6542.40	B50	CN0A3
33465	12837.80	B50	CN0A3
33466	2888.00	B50	CN0A3
33467	5007.20	B50	CN0A3
33468	10514.20	B50	CN0A3
33469	4417.70	B50	CN0A3
33470	7657.60	B50	CN0A3
33471	16081.60	B50	CN0A3
33472	4417.70	B50	CN0A3
33473	6627.00	B50	CN0A3
33474	14188.80	B50	CN0A3
33475	6627.00	B50	CN0A3
33476	10134.80	B50	CN0A3
33477	21283.60	B50	CN0A3
33478	6037.40	B50	CN0A3
33479	9056.60	B50	CN0A3
33480	9234.20	B50	CN0A3
33481	14313.60	B50	CN0A3
33482	9910.20	B50	CN0A3
33483	14864.80	B50	CN0A3
33484	14864.80	B50	CN0A3
33485	23040.20	B50	CN0A3
33486	2020.80	B50	CN0A3
33487	2171.60	B50	CN0A3
33488	3672.30	B50	CN0A3
33489	5323.80	B50	CN0A3
33490	9078.20	B50	CN0A3
33491	3447.60	B50	CN0A3
33492	3672.30	B50	CN0A3
33493	5924.90	B50	CN0A3
33494	8402.20	B50	CN0A3
33495	14032.80	B50	CN0A3
33497	9255.00	B51	CN0A3
33498	11417.20	B51	CN0A3
33499	14885.60	B51	CN0A3
33500	13534.60	B51	CN0A3
33501	16778.40	B51	CN0A3
33502	21980.40	B51	CN0A3
33516	10055.80	B51	CN0A3
33517	12218.00	B51	CN0A3
33518	15686.40	B51	CN0A3
33519	14335.40	B51	CN0A3
33520	17579.20	B51	CN0A3
33521	22781.20	B51	CN0A3
33542	73.50	A17	CN0AT
33542	73.50	B62, B65	CN0AT
33543	73.50	A17	CN0A3
33543	73.50	B62, B65	CN0A3
33544	73.50	A17	CN0A3
33544	73.50	B62, B65	CN0A3
33545	73.50	A17	CN0A3
33545	73.50	B62, B65	CN0A3
33546	3653.60	B50	CN0A3
33547	5080.40	B50	CN0A3
33548	9359.00	B50	CN0A3
33549	5080.40	B50	CN0A3
33550	7219.70	B50	CN0A3
33551	13638.60	B50	CN0A3
33552	3804.40	B50	CN0A3
33553	5906.20	B50	CN0A3

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33554	11521.20	B50	CN0A3
33555	5305.10	B50	CN0A3
33556	8458.40	B50	CN0A3
33557	16882.40	B50	CN0A3
33558	5305.10	B50	CN0A3
33559	7557.70	B50	CN0A3
33560	14989.60	B50	CN0A3
33561	7557.70	B50	CN0A3
33562	10935.60	B50	CN0A3
33563	22084.40	B50	CN0A3
33564	6956.60	B50	CN0A3
33565	10035.00	B50	CN0A3
33566	10035.00	B50	CN0A3
33567	15114.40	B50	CN0A3
33568	10711.00	B50	CN0A3
33569	15665.60	B50	CN0A3
33570	15665.60	B50	CN0A3
33571	23841.00	B50	CN0A3
33574	4675.70	A17	CN0A3
33576	1770.60	A8	CN0A3
33576	1770.60	B62	CN0A3
33579	2006.50	A8, A17	CN0A3
33579	2006.50	B62, B65	CN0A3
33594	3151.50	A8,A17, A24	CN0A3
33594	3151.50	B62, B65	CN0A3
33596	63.90	B58	CN0A3
33597	86.60	B58	CN0A3
33604	371.90	B58	CN0A3
33605	371.90	B58	CN0A3
33606	371.90	B58	CN0A3
33607	371.90	B58	CN0A3
33614	495.50	B58	CN0A3
33615	495.50	B58	CN0A3
33616	495.50	B58	CN0A3
33617	495.50	B58	CN0A3
33622	483.50	A2, A4	CN0A3
33622	483.50	B58, B59	CN0A3
33623	648.90	A2, A4	CN0A3
33623	648.90	B58, B59	CN0A3
33628	125.50	B58	CN0A3
33629	162.80	B58	CN0A3
33640	664.40	B58	CN0A3
33641	884.80	B58	CN0A3
33642	822.20	A2	CN0A3
33642	822.20	B58	CN0A3
33643	1022.80	A2	CN0A3
33643	1022.80	B58	CN0A3
33644	494.70	A2	CN0A3
33644	494.70	B58	CN0A3
33645	664.40	A2	CN0A3
33645	664.40	B58	CN0A3
33646	63.70	B58	CN0A3
33648	102.00	A2	CN0A3
33648	102.00	B58	CN0A3
33658	289.00	B58, B64	CN0AT
33659	289.00	B58, B64	CN0AT
33660	289.00	B58, B64	CN0AT
33661	289.00	B58, B64	CN0A3
33662	289.00	B58, B64	CN0AT
33663	289.00	B58, B64	CN0AT
33664	289.00	B58, B64	CN0AT
33668	289.00	B58, B64	CN0AT
33669	289.00	B58, B64	CN0AT
33670	289.00	B58, B64	CN0AT
33671	289.00	B58, B64	CN0AT
33673	289.00	B58, B64	CN0AT
33680	536.70	A3, A6, A12, A15, A20, A22	CN0AT
33680	536.70	B22, B41 B58, B59, B64	CN0AT
33681	536.70	A3, A6, A12, A15, A20, A22	CN0AT
33681	536.70	B22, B41 B58, B59, B64	CN0AT
33682	536.70	A3, A6, A12, A15, A20, A22	CN0AT
33682	536.70	B22, B41 B58, B59, B64	CN0AT
33683	536.70	A3, A6, A12, A15, A20, A22	CN0AT
33683	536.70	B58, B59, B64	CN0AT
33684	420.20	A3, A6, A12, A15, A20, A22	CN0AT
33684	420.20	B58, B59, B64	CN0AT
33685	420.20	A3, A6, A12, A15, A20, A22	CN0AT
33685	420.20	B58, B59, B64	CN0AT
33702	1698.50	B62	CN0A3
33708	1698.50	B62	CN0A3
33717	39.20	B58	CN0A3
33718	81.40	A8	CN0A3
33718	81.40	B58	CN0A3
33751	101.00	A5,A14,A22	CN0AT
33752	101.00	A5,A14,A22	CN0AT
33753	101.00	A5,A14,A22	CN0AT
33754	101.00	A5, A14	CN0AT
33755	101.00	A5, A14	CN0AT
33756	101.00	A5, A14	CN0AT
33763	113.30	A4	CN0A3
33763	113.30	B59	CN0A3
33764	132.90	A4	CN0A3
33764	132.90	B59	CN0A3
33765	160.00	B59	CN0A3
33766	196.00	B59	CN0A3
33767	369.80	A4	CN0A3
33767	369.80	B60	CN0A3
33768	107.10	A4	CN0A3
33768	107.10	B59	CN0A3
33773	354.40	A4	CN0A3
33773	354.40	B60	CN0A3
33774	708.70	A4	CN0A3
33774	708.70	B60	CN0A3
33775	708.70	A4	CN0A3
33775	708.70	B60	CN0A3
33776	339.90	A4	CN0A3
33776	339.90	B60	CN0A3
33777	678.80	A4	CN0A3
33777	678.80	B60	CN0A3
33778	678.80	A4	CN0A3
33778	678.80	B60	CN0A3
33786	250.30	A4	CN0A3
33786	250.30	B60	CN0A3
33787	250.30	A4	CN0A3
33787	250.30	B60	CN0A3
33788	210.20	A4	CN0A3
33788	210.20	B60	CN0A3
33791	480.00	A6	CN0AT
33792	480.00	A6	CN0AT
33793	480.00	A6	CN0AT
33794	480.00	A6	CN0AT
33795	480.00	A6	CN0AT
33796	480.00	A6	CN0AT
33797	480.00	A6	CN0AT
33799	70.40	B60	CN0A3
33800	70.40	B59	CN0A3
33801	70.40	B59	CN0A3
33802	103.00	B59	CN0A3
33803	103.00	B59	CN0A3
33804	103.00	B59	CN0A3
33806	521.20	A5	CN0AT
33809	289.00	A6	CN0AT
33809	289.00	B59	CN0AT
33810	289.00	A6	CN0AT
33810	289.00	B59	CN0AT
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33859	929.10	A7	CN0A3

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ATS48D47Q	2282.00	1-6	FA
ATS48D47Y	2774.00	1-7	FA
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ATS48D62Y	3256.00	1-7	FA
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ATS48D88Q	2911.00	1-6	FA
ATS48D88Y	3617.00	1-7	FA
ATS48M10Q	23629.00	1-6	FA
ATS48M10Y	28995.00	1-7	FA
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ATS48M12Y	31526.00	1-7	FA
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ATSNS1000H4DE2A	35326.00	C2	CN0A3
ATSNS1000H4FE2A	30007.00	C2	CN0A3

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ATSNS1000NA4FE	17750.00	C2	CN0A3
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ATV12HU22M2	562.00	1-9	FA
ATV12HU22M3	813.00	1-9	FA
ATV12HU30M3	863.00	1-9	FA
ATV12HU40M3	1010.00	1-9	FA
ATV12P037F1	342.00	1-9	FA
ATV12P037M2	389.00	1-9	FA
ATV12P037M3	385.00	1-9	FA
ATV12P055M2	404.00	1-9	FA
ATV12P075M2	447.00	1-9	FA
ATV12P075M3	408.00	1-9	FA
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ATV12PU40M3	1024.00	1-9	FA
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ATV212HD11M3X	2998.00	1-12	FA
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ATV212HD15M3X	3747.00	1-12	FA
ATV212HD15N4	2212.00	1-12	FA
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BCH2LD0233CA5C	610.00	1-46	FG
BCH2LD0433CA5C	650.00	1-46	FG
BCH2LF0433CA5C	680.00	1-46	FG
BCH2LF0733CA5C	790.00	1-46	FG
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BCPMA084S	18533.91	H1	AM03K
BCPMB042S	9306.89	H1	AM03K
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BLRCH182A218B44	249.90	I1	CG08V
BLRCH250A300B44	286.60	I1	CG08V
BLRCH303A000B44	330.50	I1	CG08V
BLRCH315A378B48	365.20	I2	CG08V
BLRCH339A407B48	390.70	I2	CG08V
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BLRCS100A120B44	94.90	I1	CG08V
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BLRCS250A300B44	197.90	I1	CG08V
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BLRCS339A407B48	358.00	I2	CG08V
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CA2KN40••	48.20	G47	DA
CA2SK11••	40.00	G46	DA
CA2SK20••	40.00	G46	DA
CA3KN22••	112.80	G47	DA
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CA3SK11••	52.30	G46	DA
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CA4KN22•••	172.20	G47	DA
CA4KN31•••	172.20	G47	DA
CA4KN40•••	172.20	G47	DA
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CAD323••	57.40	G48	DA
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CAD503••	57.40	G48	DA
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CCT15284	287.90	D41	CU0D317J
CCT15338	207.10	D40	CU0D317J
CCT15365	169.70	D40	CU0D317J
CCT15367	209.10	D40	CU0D317J
CCT15368	410.50	D41	CU0D317J
CCT15850	225.40	D40	CU0D317J
CCT15851	312.90	D40	CU0D317J
CCT15852	312.90	D40	CU0D317J
CCT15853	400.50	D40	CU0D317J
CCT15854	235.90	D40	CU0D317J
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CCT15861	83.70	D40	CU0D317J
CCT16364	111.00	D40	CU0D317J
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DL1BDB4	56.10	2-31	DN
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DL1BKB8	108.90	2-31	DN
DL1BKG3	132.00	2-31	DN
DL1BKG4	132.00	2-31	DN

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Reference	Price (S$)	Page	COS
DL1BKG5	132.00	2-31	DN
DL1BKG6	132.00	2-31	DN
DL1BKG8	132.00	2-31	DN
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DL1BKM8	132.00	2-31	DN
DL1CB006	3.00	2-37	DN
DL1CE012	6.00	2-37	DN
DL1CE024	6.00	2-37	DN
DL1CE048	6.00	2-37	DN
DL1CE130	6.00	2-37	DN
DL1CF110	12.00	2-37	DN
DL1CF220	12.00	2-37	DN
DL1CF380	12.00	2-37	DN
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EBX510	1715.00	H6	AM03D
ECC21	3436.55	H6	AM03K
EGX100MG	1545.39	H6	AM03K
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EZAFSHB3	28.60	B68	CN0A9
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EZALUG1002	21.00	B68	CN0A9
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EZAPLUG3L	115.30	B68	CN0A9
EZAROTDS	94.80	B69	CN0A9
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EZASHT048DC	116.30	B69	CN0A9
EZASHT100AC	116.30	B69	CN0A9
EZASHT200AC	116.30	B69	CN0A9
EZASHT380AC	116.30	B69	CN0A9
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EZB250CAP	26.30	B76	CN0A9
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EZB400W12	1164.90	B76	CN0A9
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EZC100F3040	132.40	B67	CN0A9
EZC100F3050	132.40	B67	CN0A9
EZC100F3060	132.40	B67	CN0A9
EZC100F3075	132.40	B67	CN0A9
EZC100F3080	132.40	B67	CN0A9
EZC100F3100	132.40	B67	CN0A9
EZC100H1015	100.80	B66	CN0A9
EZC100H1020	100.80	B66	CN0A9
EZC100H1025	100.80	B66	CN0A9
EZC100H1030	100.80	B66	CN0A9
EZC100H1040	100.80	B66	CN0A9
EZC100H1050	100.80	B66	CN0A9
EZC100H1060	100.80	B66	CN0A9
EZC100H1075	100.80	B66	CN0A9
EZC100H1080	100.80	B66	CN0A9
EZC100H1100	100.80	B66	CN0A9
EZC100H2015	169.00	B66	CN0A9
EZC100H2020	169.00	B66	CN0A9
EZC100H2025	169.00	B66	CN0A9
EZC100H2030	169.00	B66	CN0A9
EZC100H2040	169.00	B66	CN0A9
EZC100H2050	169.00	B66	CN0A9
EZC100H2060	169.00	B66	CN0A9
EZC100H2075	169.00	B66	CN0A9
EZC100H2080	169.00	B66	CN0A9
EZC100H2100	169.00	B66	CN0A9
EZC100H3015	162.00	B67	CN0A9
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EZC100H4100	272.00	B67	CN0A9
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EZC100N1080	89.30	B66	CN0A9
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EZC250H2175	479.90	B70	CN0A9
EZC250H2200	479.90	B70	CN0A9
EZC250H2225	479.90	B70	CN0A9
EZC250H2250	479.90	B70	CN0A9
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EZC250H3125	496.50	B70	CN0A9

Reference	Price (S$)	Page	COS
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EZC250H3175	496.50	B70	CN0A9
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EZC250H3225	496.50	B70	CN0A9
EZC250H3250	496.50	B70	CN0A9
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EZC250H4100	801.90	B70	CN0A9
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EZC250H4175	801.90	B70	CN0A9
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EZC250N3175	431.60	B70	CN0A9
EZC250N3200	431.60	B70	CN0A9
EZC250N3225	431.60	B70	CN0A9
EZC250N3250	431.60	B70	CN0A9
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EZC400N3320N	762.00	B74	CN0A9
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EZC630H44400N	1999.00	B75	CN0A9
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EZC630H44600N	1999.00	B75	CN0A9
EZC630H4500N	1930.00	B75	CN0A9
EZC630H4600N	1930.00	B75	CN0A9
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EZC630N4400N	1870.00	B75	CN0A9
EZC630N44400N	1929.00	B75	CN0A9
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EZCV250H3175	865.30	B71	CN0A9
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EZCV250N4250	1060.80	B71	CN0A9
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EZEALV	58.80	B72	CN0A9
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EZEFASB2	21.50	B72	CN0A9
EZEFASB3N	34.00	B72	CN0A9
EZELOCK	17.90	B73	CN0A9
EZELOCKN	17.90	B73	CN0A9
EZELUG2503	38.90	B72	CN0A9
EZELUG2504	52.50	B72	CN0A9
EZEPLUG3L	405.00	B72	CN0A9
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EZESHT048DC	124.50	B73	CN0A9
EZESHT100AC	124.50	B73	CN0A9
EZESHT120AC	124.50	B73	CN0A9
EZESHT200AC	124.50	B73	CN0A9
EZESHT277AC	124.50	B73	CN0A9
EZESHT400AC	124.50	B73	CN0A9
EZESHT440AC	124.50	B73	CN0A9
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EZESPDR4P	28.40	B72	CN0A9
EZETEX	21.00	B72	CN0A9
EZETEX4P	28.40	B72	CN0A9
EZETSHD3P	65.10	B72	CN0A9
EZETSHD3PN	72.50	B72	CN0A9
EZETSHD4PN	95.60	B72	CN0A9
EZEUVR024DC	281.40	B73	CN0A9
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EZEUVRN440AC	281.40	B73	CN0A9
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GV1G09	15.40	G40	DA
GV1G10	31.00	G40	DA
GV1L3	91.80	G24	DA
GV2AF01	150.00	G26	DA
GV2AF3	59.00	G26	DA
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GV2AP03	75.90	G26	DA
GV2APN01	84.50	G26	DA
GV2APN02	84.50	G26	DA
GV2DM102••	198.40	G27	DA
GV2DM103••	198.40	G27	DA
GV2DM104••	198.40	G27	DA
GV2DM105••	198.40	G27	DA
GV2DM106••	195.40	G27	DA
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GV2DM121••	258.40	G27	DA
GV2DM122••	258.40	G27	DA
GV2DM132••	286.10	G27	DA
GV2G245	19.50	G26, G40	DA
GV2G254	19.50	G26, G40	DA
GV2G345	22.60	G26, G40	DA

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GV2G354	22.60	G26, G40	DA
GV2G445	23.90	G26, G40	DA
GV2G454	24.60	G26, G40	DA
GV2G554	27.70	G26, G40	DA
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GV2ME016	90.20	G21	DA
GV2ME02	82.00	G21, G36, G37	DA
GV2ME026	90.20	G21	DA
GV2ME03	82.00	G21, G36, G37	DA
GV2ME036	90.20	G21	DA
GV2ME04	82.00	G21, G36, G37	DA
GV2ME046	90.20	G21	DA
GV2ME05	82.00	G21, G36, G37	DA
GV2ME056	90.20	G21	DA
GV2ME06	79.00	G21, G36, G37	DA
GV2ME066	86.10	G21	DA
GV2ME07	79.00	G21, G36, G37	DA
GV2ME076	86.10	G21	DA
GV2ME08	79.00	G21, G36, G37	DA
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GV2ME16	90.20	G21, G36, G37	DA
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GV2ME206	98.40	G21	DA
GV2ME21	97.40	G21, G36, G37	DA
GV2ME216	108.70	G21	DA
GV2ME22	97.40	G21, G36, G37	DA
GV2ME226	108.70	G21	DA
GV2ME32	125.10	G21, G36, G37	DA
GV2ME326	137.40	G21	DA
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GV2P32	187.60	G22, G37	DA
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GV2RT06	74.90	G23	DA
GV2RT07	74.90	G23	DA
GV2RT08	74.90	G23	DA
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GV3P18	187.60	G22	DA
GV3P25	204.00	G22	DA
GV3P32	204.00	G22	DA
GV3P40	210.20	G22, G36	DA
GV3P50	248.10	G22, G36	DA
GV3P65	249.80	G22, G36	DA
GV7AB11	53.30	G25	DA
GV7AD111	299.00	G25	DA
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GV7AE11	45.10	G25	DA
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GV7AP02	109.70	G26	DA
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GV7AP04	66.70	G26	DA
GV7AP05	51.30	G26	DA
GV7AS055	125.10	G25	DA
GV7AS107	125.10	G25	DA
GV7AS207	125.10	G25	DA
GV7AS387	125.10	G25	DA
GV7AU055	125.10	G25	DA
GV7AU107	125.10	G25	DA
GV7AU207	125.10	G25	DA
GV7AU387	125.10	G25	DA
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GV7RE20	471.50	G23	DA
GV7RE220	937.90	G23, G36	DA
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GV7RE40	545.00	G23	DA
GV7RE50	549.80	G23	DA
GV7RE80	568.80	G23, G36	DA
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GV7RS220	937.90	G23, G37	DA
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GV7RS40	585.00	G23, G37	DA
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GVAE20	134.00	G24	DA
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GVAN11	13.40	G24	DA
GVAN20	13.40	G24	DA
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HMIGTO1310	951.00	2-42	EV
HMIGTO2300	1056.00	2-42	EV
HMIGTO2310	1331.00	2-42	EV
HMIGTO2315	1639.00	2-42	EV
HMIGTO3510	1732.00	2-42	EV
HMIGTO4310	2247.00	2-42	EV
HMIGTO5310	2820.00	2-42	EV
HMIGTO5315	3421.00	2-42	EV
HMIGTO6310	3513.00	2-42	EV
HMIGTO6315	4222.00	2-42	EV
HMISTO705	POA	2-38	EV
HMISTO715	POA	2-38	EV
HMISTO735	POA	2-38	EV
HMISTU655	777.00	2-38	EV
HMISTU855	1052.00	2-38	EV
HMIZECOV1	181.00	2-43	EV
HMIZECOV2	175.00	2-43	EV
HMIZECOV4	199.00	2-43	EV
HMIZECOV5	222.00	2-43	EV
HMIZECOV6	263.00	2-43	EV
HMIZS501	POA	2-38	EV
HMIZS61	35.00	2-38	EV
HMIZS62	32.00	2-38	EV
HMIZSADCO1	POA	2-38	EV
HMIZSFIX1	POA	2-38	EV

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HMIZSPWO	34.00	2-41	EV
HMIZSRTC1	POA	2-38	EV
HMIZSUSBB	86.00	2-41	EV
HMIZUV0W	POA	2-38	EV
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LA1KN02	13.40	G4, G47	DA
LA1KN04	24.60	G4, G47	DA
LA1KN11	13.40	G4, G47	DA
LA1KN13	24.60	G4, G47	DA
LA1KN20	13.40	G4, G47	DA
LA1KN22	24.60	G4, G47	DA
LA1KN31	24.60	G4, G47	DA
LA1KN40	24.60	G4, G47	DA
LA1SK01	12.30	G1	DA
LA1SK02	13.00	G1, G46	DA
LA1SK10	13.00	G1	DA
LA1SK11	13.00	G1, G46	DA
LA1SK20	13.00	G1, G46	DA
LA2KT2E	110.70	G4, G47	DA
LA2KT2U	110.70	G4, G47	DA
LA4DA2U	17.90	G13	DA
LA4DE2U	17.90	G13	DA
LA4DFB	81.00	G13	DA
LA4DT0U	110.00	G13	DA
LA4DT2U	110.00	G13	DA
LA4DWB	110.00	G13	DA
LA4KA1U	23.60	G4	DA
LA4KC1B	23.60	G4	DA
LA4KE1B	23.60	G4	DA
LA4SKC1U	155.00	G1, G46	DA
LA4SKE1E	155.00	G1	DA
LA4SKE1U	155.00	G1, G46	DA
LA6DK20•	83.90	G12	DA
LA7D1020	12.00	G16	DA
LA7D305	92.80	G16, G20	DA
LA7D3058	95.30	G16	DA
LA7D3064	43.50	G16	DA
LA7D901	32.00	G16	DA
LA7D902	12.00	G16	DA
LA9D11502	98.40	G10	DA
LA9D11569	176.30	G10	DA
LA9D11570	176.30	G10	DA
LA9D4002	66.50	G10	DA
LA9D65A69	67.70	G10	DA
LA9D8069	84.10	G10	DA
LA9D8070	95.30	G10	DA
LA9F702	63.60	1-5, 1-8, G20	DA
LA9F703	98.40	1-5, 1-8	DA
LA9F705	88.20	G20	DA
LA9FF970	66.70	G19	DA
LA9FG970	81.00	G19	DA
LA9FJ970	95.40	G19	DA
LA9FL970	118.90	G19	DA
LA9FX970	355.00	G19	DA
LA9FX971	389.00	G19	DA
LA9LB920	226.60	G24, G40	DA
LAD4CM	49.00	G10	DA
LAD4D3U	17.10	G13	DA
LAD4DDL	17.10	G13	DA
LAD4RC3U	17.90	G13	DA
LAD4RCE	17.90	G13, G49	DA
LAD4RCU	17.90	G13, G49	DA
LAD4T3B	24.60	G13	DA
LAD4TBDL	18.50	G13	DA
LAD4V3U	17.10	G13	DA
LAD4VU	17.10	G13	DA
LAD6K10•	83.90	G12, G49	DA
LAD703•	71.80	G16	DA
LAD7305	92.80	G16	DA
LAD7B105	21.50	G16	DA
LAD7B106	13.40	G16	DA
LAD7C1	8.20	G16	DA
LAD7C2	8.20	G16	DA
LAD8N02	19.50	G11, G48	DA
LAD8N11	19.50	1-1, G11, G48	DA
LAD8N20	19.50	G11, G48	DA
LAD96560	21.50	G16	DA
LAD9R1	24.80	G11	DA
LAD9R1V	29.60	G10, G11	DA
LAD9R3	90.20	G11	DA
LADC22	29.80	G11, G48	DA
LADN01	18.00	G11	DA
LADN02	14.40	G11, G48	DA
LADN04	22.60	G11, G48	DA
LADN10	180.00	G11	DA
LADN11	14.40	G11, G29, G34, G35, G48	DA
LADN13	22.60	G11, G48	DA
LADN20	14.40	G11, G48	DA
LADN22	22.60	G11, G19, G31, G32, G33, G34, G35, G48	DA
LADN31	22.60	G11, G48	DA
LADN40	22.60	G11, G48	DA
LADR0	69.70	G12, G49	DA
LADR2	69.70	G12, G49	DA
LADR4	83.10	G12, G49	DA
LADS2	58.50	G12, G30, G31, G32, G33, G49	DA
LADT0	58.50	G12,G49	DA
LADT2	58.50	G12, G34, G35, G49	DA
LADT4	58.50	G12,G49	DA
LADT9R1V	31.50	G10	DA
LC1D09••	27.90	G28, G29, G30, G36, G37	DA
LC1D09•7	27.90	G6, G7, G10	DA
LC1D09•D	64.10	G6,G7	DA
LC1D09•L	65.90	G6,G7	DA
LC1D098•7	57.40	G8	DA
LC1D098•D	85.00	G8	DA
LC1D098•L	111.80	G8	DA
LC1D115••	447.50	G29,G31, G34,G35, G36,G37	DA
LC1D115•7	447.50	G6, G7, G10	DA
LC1D115•D	627.90	G6,G7	DA
LC1D115004•7	698.10	G8,G10	DA
LC1D115004•D	899.00	G8	DA
LC1D12••	35.00	G28,G29, G30	DA
LC1D12•7	35.00	G6, G7, G10	DA
LC1D12•D	69.60	G6, G7	DA
LC1D12•L	74.40	G6, G7	DA
LC1D128•7	65.60	G8	DA
LC1D128•D	89.00	G8	DA
LC1D128•L	105.00	G8	DA
LC1D150••	568.60	G29, G31, G34, G35, G36, G37	DA
LC1D150•7	568.60	G6, G7, G10	DA
LC1D150•D	692.00	G6, G7	DA
LC1D18••	47.60	G28, G29, G30, G36	DA
LC1D18•7	47.60	G6, G7, G10	DA
LC1D18•D	90.50	G6, G7	DA
LC1D18•L	95.00	G6, G7	DA
LC1D188•7	97.00	G8	DA
LC1D188•D	109.00	G8	DA
LC1D188•L	125.00	G8	DA
LC1D25••	72.50	G28, G29, G30, G34, G36, G37	DA
LC1D25•7	72.50	G6, G7, G10	DA
LC1D25•D	112.60	G6, G7	DA
LC1D25•L	118.90	G6, G7	DA
LC1D258•7	108.00	G8	DA
LC1D258•D	188.00	G8	DA
LC1D258•L	188.00	G8	DA
LC1D32••	85.00	G29, G30, G31, G34, G36, G37	DA
LC1D32•7	85.00	G6, G7, G10	DA
LC1D32•D	116.30	G6, G7	DA
LC1D32•L	122.80	G6, G7	DA
LC1D38••	127.40	G30, G36	DA
LC1D38•7	127.40	G6, G7, G10	DA
LC1D38•D	177.80	G6, G7	DA
LC1D38•L	187.90	G6, G7	DA
LC1D40008•7	223.50	G8	DA
LC1D40A••	177.70	G28, G29, G30, G31, G37	DA
LC1D40A•7	177.70	G6, G7, G10	DA
LC1D40A•D	232.80	G6, G7	DA
LC1D50A••	195.50	G29, G30, G31, G34, G36	DA
LC1D50A•7	195.50	G6, G7, G10	DA
LC1D50A•D	260.20	G6,G7	DA
LC1D65008•7	314.70	G8	DA
LC1D65A••	240.90	G29, G31, G34, G36	DA

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LC1D65A•D	311.90	G6, G7	DA
LC1D80••	274.70	G29, G31, G34, G36, G37	DA
LC1D80•7	274.70	G6, G7, G10	DA
LC1D80•D	360.40	G6, G7	DA
LC1D80004•7	534.00	G8, G10	DA
LC1D80008•7	573.00	G8	DA
LC1D95••	330.10	G29, G31, G34, G36	DA
LC1D95•7	330.10	G6, G7, G10	DA
LC1D95•D	392.20	G6, G7	DA
LC1DFK11M7	110.70	I2	DA
LC1DLK11M7	148.60	I2	DA
LC1DMK11M7	179.90	I2	DA
LC1DT20•7	53.00	G8, G10	DA
LC1DT20•D	79.90	G8	DA
LC1DT20•L	95.00	G8	DA
LC1DT25•7	56.00	G8, G10	DA
LC1DT25•D	88.00	G8	DA
LC1DT25•L	97.00	G8	DA
LC1DT32•7	89.00	G8, G10	DA
LC1DT32•D	109.00	G8	DA
LC1DT32•L	133.00	G8	DA
LC1DT40•7	101.00	G8, G10	DA
LC1DT40•D	133.00	G8	DA
LC1DT40•L	155.00	G8	DA
LC1DT60A•7	208.00	G8, G10	DA
LC1DT60A•D	369.00	G8	DA
LC1DT80A•7	314.70	G8, G10	DA
LC1DT80A•D	538.00	G8	DA
LC1DTK12M7	369.00	I2	DA
LC1DWK12M7	464.30	I2	DA
LC1F115•7	590.20	G18, G19	DA
LC1F115•D	649.20	G18	DA
LC1F1154•7	838.50	G18, G19	DA
LC1F1154•D		G18	DA
LC1F150•7	599.00	G18, G19	DA
LC1F150•D	699.00	G18	DA
LC1F1504•7	953.30	G18, G19	DA
LC1F1504•D	1235.60	G18	DA
LC1F185••	765.00	G31, G32, G34, G35, G36, G37	DA
LC1F185•7	765.00	G18, G19	DA
LC1F185•D	858.00	G18	DA
LC1F1854•7	1130.60	G18, G19	DA
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LC1F225••	1150.10	G31, G32, G33, G34, G35, G36, G37	DA
LC1F225•7	1150.10	G18, G19	DA
LC1F225•D	1175.30	G18	DA
LC1F2254•7	1551.90	G18, G19	DA
LC1F2254•D	1815.90	G18	DA
LC1F265••	1248.00	G33, G34, G35	DA
LC1F265•7	1248.00	G18, G19	DA
LC1F265•D	1368.00	G18	DA
LC1F2654•7	1779.10	G18, G19	DA
LC1F2654•D	2298.40	G18	DA
LC1F330••	1550.00	G32, G33, G34, G35	DA
LC1F330•7	1550.00	G18, G19	DA
LC1F330•D	1699.00	G18	DA
LC1F3304•7	2236.60	G18, G19	DA
LC1F3304•D	2583.00	G18	DA
LC1F400••	2088.00	G32, G33, G35	DA
LC1F400•7	2088.00	G18, G19	DA
LC1F400•D	2150.00	G18	DA
LC1F4004•7	2678.90	G18, G19	DA
LC1F4004•D	3257.40	G18	DA
LC1F500••	2488.00	G33, G35	DA
LC1F500•7	2488.00	G18, G19	DA
LC1F500•D	3048.90	G18	DA
LC1F5004•7	3637.50	G18, G19	DA
LC1F5004•D	4572.50	G18	DA
LC1F630••	3753.90	G35	DA
LC1F630•7	3753.90	G18,G19	DA
LC1F630•D	4264.00	G18	DA
LC1F6304•7	5335.10	G18, G19	DA
LC1F6304•D	5856.70	G18	DA
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LC1F780•D	8347.70	G18	DA
LC1F7804•7	10973.60	G18, G19	DA
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LC1F800••	6103.90	G35	DA
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LC1K0901••	27.70	G2, G3	DA
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LC1K12004••	67.70	G3	DA
LC1K1201••	35.90	G2, G3	DA
LC1K1210••	35.90	G2, G3, G36	DA
LC1K1601••	56.40	G2	DA
LC1K1610••	56.40	G2	DA
LC1SK0600••	27.60	G1	DA
LC1SKGC200••	31.80	G1	DA
LC1SKGC301••	31.80	G1	DA
LC1SKGC310••	31.80	G1	DA
LC1SKGC400••	39.50	G1	DA
LC2D09•7	92.70	G9	DA
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LC2D18•7	126.00	G9	DA
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LC2D32•7	202.60	G9	DA
LC2D32•D	265.60	G9	DA
LC2D32•L	278.60	G9	DA
LC2D38•7	285.20	G9	DA
LC2D38•D	396.40	G9	DA
LC2D38•L	383.40	G9	DA
LC2D40A•7	459.00	G9	DA
LC2D40A•D	572.40	G9	DA
LC2D50A•7	495.60	G9	DA
LC2D50A•D	629.10	G9	DA
LC2D65A•7	590.30	G9	DA
LC2D65A•D	735.30	G9	DA
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LE1M35••06	99.50	G38	DA
LE1M35••07	99.50	G38	DA
LE1M35••08	99.50	G38	DA
LE1M35••10	99.50	G38	DA
LE1M35••12	99.50	G38	DA
LE1M35••14	109.70	G38	DA
LE1M35••16	109.70	G38	DA
LE1M35••21	118.90	G38	DA
LE1M35••22	118.90	G38	DA
LP1D40008•D	383.40	G8	DA
LP1D40008•W	401.80	G8	DA
LP1D65008•D	541.00	G8	DA
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LP1K0901••	36.90	G2, G3	DA
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LP1K1201••	52.10	G2, G3	DA
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LP1SK0600••	30.10	G1	DA
LP4K0601•••	62.50	G2	DA
LP4K0610•••	62.50	G2	DA
LP4K09004•••	77.90	G3	DA
LP4K09008•••	77.90	G3	DA
LP4K0901•••	62.70	G2, G3	DA
LP4K0910•••	62.70	G2, G3	DA
LP4K12004•••	110.70	G3	DA
LP4K1201•••	79.00	G2, G3	DA
LP4K1210•••	79.00	G2, G3	DA
LR2D3561	230.60	G15	DA
LR2D3563	239.90	G15	DA

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LR2K0301	45.10	G5	DA
LR2K0302	45.10	G5	DA
LR2K0303	46.20	G5	DA
LR2K0304	46.20	G5	DA
LR2K0305	46.20	G5	DA
LR2K0306	41.50	G5	DA
LR2K0307	41.50	G5	DA
LR2K0308	41.50	G5	DA
LR2K0310	41.50	G28, G5	DA
LR2K0312	41.50	G28, G5	DA
LR2K0314	46.20	G28, G5	DA
LR2K0316	46.20	G28, G5	DA
LR2K0321	48.20	G5	DA
LR2K0322	48.20	G5	DA
LR9D5367	285.00	G15, G34	DA
LR9D5369	329.00	G15, G31, G34	DA
LR9D5567	454.10	G15	DA
LR9D5569	554.50	G15	DA
LR9D67	479.70	G15	DA
LR9D69	538.20	G15	DA
LR9F5357	353.70	G20	DA
LR9F5363	353.70	G20	DA
LR9F5367	353.70	G20	DA
LR9F5369	353.70	G20	DA
LR9F5371	384.40	G20, G31, G34	DA
LR9F5557	1278.20	G20	DA
LR9F5563	1278.20	G20	DA
LR9F5567	1278.20	G20	DA
LR9F5569	1278.20	G20	DA
LR9F5571	1419.70	G20	DA
LR9F7375	439.80	G20, G32, G34	DA
LR9F7379	556.60	G20, G32, G33, G35	DA
LR9F7381	676.50	G20, G35	DA
LR9F7575	1419.70	G20	DA
LR9F7579	1419.70	G20	DA
LR9F7581	1419.70	G20	DA
LRD01	42.10	G14	DA
LRD013	175.00	G14	DA
LRD02	42.10	G14	DA
LRD023	175.00	G14	DA
LRD03	42.10	G14	DA
LRD033	175.00	G14	DA
LRD04	42.10	G14	DA
LRD043	175.00	G14	DA
LRD05	38.00	G14	DA
LRD053	170.00	G14	DA
LRD06	38.00	G14, G29	DA
LRD063	163.00	G14	DA
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LRD08	36.90	G14, G29	DA
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LRD10	36.90	G14, G29, G30, G35	DA
LRD103	163.00	G14	DA
LRD12	36.90	G14, G29, G30	DA
LRD123	163.00	G14	DA
LRD14	36.90	G14, G29, G30	DA
LRD143	163.00	G14	DA
LRD07L	95.10	G15	DA
LRD08L	95.10	G15	DA
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LRD12L	102.50	G15	DA
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LRD21	36.90	G14, G28, G29, G30	DA
LRD213	163.00	G14	DA
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LRD223	173.00	G14	DA
LRD32	59.50	G14, G28, G29, G30	DA
LRD325	93.30	G14	DA
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LRD332	97.40	G14	DA
LRD332L	205.00	G15	DA
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LRD3363	161.00	G14, G29, G31	DA
LRD3365	183.50	G14, G29, G31, G34	DA
LRD33656	268.00	G14	DA
LRD33676	282.90	G14	DA
LRD33696	302.40	G14	DA
LRD340	98.40	G14, G29, G30	DA
LRD340L	204.00	G15	DA
LRD35	71.80	G14, G30	DA
LRD350	108.00	G14, G28, G29, G30	DA
LRD350L	217.30	G15	DA
LRD365	114.90	G14, G28, G29, G31	DA
LRD365L	224.50	G15	DA
LRD4365	257.30	G14	DA
LRD4367	243.00	G14, G29	DA
LRD4369	264.50	G14, G29, G31	DA
LTMR08CBD	1372.50	G17	DA
LTMR08CFM	1349.90	G17	DA
LTMR08DBD	1525.20	G17	DA
LTMR08DFM	1499.60	G17	DA
LTMR08EBD	1276.10	G17	DA
LTMR08EFM	1177.80	G17	DA
LTMR08MBD	1230.90	G17	DA
LTMR08MFM	1210.40	G17	DA
LTMR08PBD	1341.70	G17	DA
LTMR08PFM	1320.20	G17	DA
LTMR100CBD	1462.70	G17	DA
LTMR100CFM	1440.10	G17	DA
LTMR100DBD	1624.60	G17	DA
LTMR100DFM	1600.00	G17	DA
LTMR100EBD	1276.10	G17	DA
LTMR100EFM	1177.80	G17	DA
LTMR100MBD	1311.70	G17	DA
LTMR100MFM	1291.30	G17	DA
LTMR100PBD	1429.90	G17	DA
LTMR100PFM	1407.40	G17	DA
LTMR27CFM	1395.00	G17	DA
LTMR27DFM	1549.80	G17	DA
LTMR27EBD	1416.60	G17	DA
LTMR27EFM	1177.80	G17	DA
LTMR27MBD	1271.80	G17	DA
LTMR27MFM	1251.40	G17	DA
LTMR27PBD	1386.80	G17	DA
LTMR27PFM	1364.30	G17	DA
LU9AD7	333.00	1-45	DA
LU9APN21	167.30	G40	DA
LU9C2	3.90	G39	DA
LU9G02	131.20	G43	DA
LU9GC3	199.90	1-4, 1-14, 1-16, G44	DA
LU9MRC	51.30	G43	DA
LU9R03	14.40	G43	DA
LU9R10	18.50	G43	DA
LU9R30	77.90	G43	DA
LU9SP0	13.30	G40	DA
LUA1C11	20.50	G39	DA
LUA1C20	20.50	G39	DA
LUALB1	148.70	G40	DA
LUALF1	81.00	G40	DA
LUB12	115.20	G39	DA
LUB32	180.40	G39	DA
LUCA05••	114.80	G41	DA
LUCA12••	135.30	G41	DA
LUCA18••	140.50	G41	DA
LUCA1X••	109.70	G41	DA
LUCA32••	209.10	G41	DA
LUCAX6••	105.60	G41	DA
LUCB05••	129.20	G41	DA
LUCB12••	141.50	G41	DA
LUCB18••	167.10	G41	DA
LUCB1X••	126.10	G41	DA
LUCB32••	213.20	G41	DA
LUCBX6••	110.70	G41	DA
LUCC05••	118.90	G41	DA
LUCC12••	126.10	G41	DA
LUCC18••	140.50	G41	DA
LUCC1X••	115.90	G41	DA

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LUCCX6••	110.70	G41	DA
LUCD05••	133.30	G41	DA
LUCD12••	144.60	G41	DA
LUCD18••	176.30	G41	DA
LUCD1X••	127.10	G41	DA
LUCD32••	239.90	G41	DA
LUCDX6••	115.90	G41	DA
LUCM05BL	520.70	G42	DA
LUCM18BL	577.10	G42	DA
LUCM1XBL	631.40	G42	DA
LUCM32BL	631.40	G42	DA
LUCMX6BL	488.90	G42	DA
LUFC00	58.50	G43	DA
LUFDA01	149.70	G43	DA
LUFDA10	157.90	G43	DA
LUFDH11	199.90	G43	DA
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LUFP1	1535.50	1-17, G45	DA
LUFP7	1597.00	G45	DA
LUFP9	1550.00	G45	DA
LUFV2	169.20	G43	DA
LUFW10	188.00	G43	DA
LULC031	204.00	G44	DA
LULC033	275.80	G44	DA
LV428941	72.80	E1	CN0B5
LV428942	72.80	E1	CN0B5
LV429005 + LV429030	660.30	B12	CN0A3
LV429005 + LV429031	660.30	B12	CN0A3
LV429005 + LV429032	660.30	B12	CN0A3
LV429005 + LV429033	660.30	B12	CN0A3
LV429005 + LV429034	660.30	B12	CN0A3
LV429005 + LV429035	660.30	B12	CN0A3
LV429005 + LV429036	660.30	B12	CN0A3
LV429005 + LV429037	660.30	B12	CN0A3
LV429005 + LV429070	833.10	B12	CN0A3
LV429005 + LV429072	833.10	B12	CN0A3
LV429005 + LV429090	1870.10	B12	CN0A3
LV429005 + LV429091	1870.10	B12	CN0A3
LV429005 + LV429120	760.30	B13	CN0A3
LV429005 + LV429121	760.30	B13	CN0A3
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LV429005 + LV429123	760.30	B13	CN0A3
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LV429005 + LV429125	760.30	B13	CN0A3
LV429005 + LV429170	1082.70	B13	CN0A3
LV429005 + LV429172	1082.70	B13	CN0A3
LV429005 + LV429174	1082.70	B13	CN0A3
LV429010 + LV429040	1122.70	B12	CN0A3
LV429010 + LV429041	1122.70	B12	CN0A3
LV429010 + LV429042	1122.70	B12	CN0A3
LV429010 + LV429043	1122.70	B12	CN0A3
LV429010 + LV429044	1122.70	B12	CN0A3
LV429010 + LV429045	1122.70	B12	CN0A3
LV429010 + LV429046	1122.70	B12	CN0A3
LV429010 + LV429047	1122.70	B12	CN0A3
LV429010 + LV429080	1383.20	B12	CN0A3
LV429010 + LV429082	1383.20	B12	CN0A3
LV429010 + LV429100	2940.00	B12	CN0A3
LV429010 + LV429101	2940.00	B12	CN0A3
LV429018 + LV429030	544.70	B10	CN0A3
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LV429018 + LV429032	544.70	B10	CN0A3
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LV429018 + LV429072	681.50	B10	CN0A3
LV429018 + LV429090	1757.70	B10	CN0A3
LV429018 + LV429091	1757.70	B10	CN0A3
LV429018 + LV429120	655.20	B11	CN0A3
LV429018 + LV429121	655.20	B11	CN0A3
LV429018 + LV429122	655.20	B11	CN0A3
LV429018 + LV429123	655.20	B11	CN0A3
LV429018 + LV429124	655.20	B11	CN0A3
LV429018 + LV429125	655.20	B11	CN0A3
LV429018 + LV429170	999.40	B11	CN0A3
LV429018 + LV429172	999.40	B11	CN0A3
LV429018 + LV429174	999.40	B11	CN0A3
LV429019 + LV429040	936.30	B10	CN0A3
LV429019 + LV429041	936.30	B10	CN0A3
LV429019 + LV429042	936.30	B10	CN0A3
LV429019 + LV429043	936.30	B10	CN0A3
LV429019 + LV429044	936.30	B10	CN0A3
LV429019 + LV429045	936.30	B10	CN0A3
LV429019 + LV429046	936.30	B10	CN0A3
LV429019 + LV429047	936.30	B10	CN0A3
LV429019 + LV429080	1206.50	B10	CN0A3
LV429019 + LV429082	1206.50	B10	CN0A3
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LV429019 + LV429101	2750.00	B10	CN0A3
LV429210	939.80	B18, B79	CN0A3
LV429211	939.80	B18, B79	CN0A3
LV429212	939.80	B18, B79	CN0A3
LV429213	939.80	B18, B79	CN0A3
LV429214	110.00	B18	CN0A3
LV429218	138.10	B20, B80	CN0A3
LV429219	180.90	B20, B80	CN0A3
LV429221	61.00	B20	CN0A3
LV429222	81.40	B20	CN0A3
LV429223	43.90	B20	CN0A3
LV429224	58.90	B20	CN0A3
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LV429227	123.90	B20, B80	CN0A3
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LV429234	62.70	B27	CN0A3
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LV429242	41.00	B20, B80	CN0A3
LV429243	49.40	B20, B80	CN0A3
LV429248	225.80	B20, B80	CN0A3
LV429249	300.70	B20, B80	CN0A3
LV429252	85.90	B21, B80	CN0A3
LV429253	100.00	B21, B80	CN0A3
LV429254	124.30	B21, B80	CN0A3
LV429256	119.20	B21, B80	CN0A3
LV429257	142.50	B21, B80	CN0A3
LV429258	166.70	B21, B80	CN0A3
LV429259	123.90	B20, B80	CN0A3
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LV429261	43.90	B20, B80	CN0A3
LV429262	61.00	B20, B80	CN0A3
LV429263	43.90	B20, B80	CN0A3
LV429264	58.90	B20, B80	CN0A3
LV429265	167.40	B26	CN0A3
LV429266	227.90	B26	CN0A3
LV429267	303.50	B26	CN0A3
LV429268	37.80	B26	CN0A3
LV429270	23.80	B26	CN0A3
LV429271	73.50	B26	CN0A3
LV429272	161.70	B26, B45	CN0A3
LV429273	71.30	B26, B45	CN0A3
LV429274	45.20	B26	CN0A3
LV429275	23.10	B26	CN0A3
LV429276	123.90	B26	CN0A3
LV429282	297.90	B19	CN0A3
LV429283	102.00	B19	CN0A3
LV429284	42.20	B26	CN0A3
LV429285	42.20	B26, B45	CN0A3
LV429286	137.20	B26, B45	CN0A3
LV429287	113.30	B26, B45	CN0A3
LV429288	290.70	B19	CN0A3
LV429289	383.60	B19	CN0A3
LV429290	500.90	B19	CN0A3
LV429291	539.60	B19	CN0A3
LV429292	708.90	B19	CN0A3
LV429305	181.50	B25, B84	CN0A3
LV429306	26.30	B21, B26	CN0A3
LV429307	31.50	B21, B26	CN0A3
LV429308	53.50	B20, B80	CN0A3
LV429309	70.70	B20, B80	CN0A3
LV429312	19.80	B27, B84	CN0A3
LV429313	42.90	B27, B84	CN0A3
LV429316	22.00	B25, B44, B84, B91	CN0A3
LV429317	110.00	B25, B44	CN0A3
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LV429319	168.30	B25	CN0A3
LV429329	27.30	B21, B81	CN0A3
LV429329	27.30	E2	CN0A3
LV429330	49.40	B21, B81	CN0A3
LV429331	36.80	B21, B81	CN0A3

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LV429340	160.30	B23	CN0A3
LV429341	256.20	B23	CN0A3
LV429342	182.10	B23	CN0A3
LV429343	359.70	B23	CN0A3
LV429344	30.80	B24, B25, B,83, B84	CN0A3
LV429345	155.10	B23	CN0A3
LV429346	155.10	B23, B42	CN0A3
LV429348	41.80	B20, B39, B80, B87	CN0A3
LV429354	309.10	B25	CN0A3
LV429358	762.40	C1	CN0A3
LV429359	889.20	C1	CN0A3
LV429359	889.20	E2	CN0A3
LV429369	387.20	B25, B84	CN0AZ
LV429371	51.70	B24	CN0A3
LV429375	36.30	B25, B44, B84, B91	CN0A3
LV429382	146.70	B22, B41, B82, B89	CN0A3
LV429383	146.70	B22, B41, B82, B89	CN0A3
LV429384	146.70	B22, B41, B82, B89	CN0A3
LV429385	146.70	B22, B41, B82, B89	CN0A3
LV429386	146.70	B22, B41, B82, B89	CN0A3
LV429387	146.70	B22, B41, B82, B89	CN0A3
LV429388	146.70	B22, B41, B82, B89	CN0A3
LV429389	146.70	B22, B41	CN0A3
LV429390	146.70	B22, B41, B82, B89	CN0A3
LV429391	146.70	B22, B41, B82, B89	CN0A3
LV429392	146.70	B22, B41, B82, B89	CN0A3
LV429393	146.70	B22, B41, B82, B89	CN0A3
LV429394	146.70	B22, B41, B82, B89	CN0A3
LV429402	204.90	B22, B41, B82, B89	CN0A3
LV429403	204.90	B22, B41, B82, B89	CN0A3
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LV429413	204.90	B22, B41, B82, B89	CN0A3
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LV429426	307.90	B22, B41, B82, B89	CN0A3
LV429427	284.00	B22, B41, B82, B89	CN0A3
LV429433	754.40	B23, B83	CN0A3
LV429434	754.40	B23, B83	CN0A3
LV429435	754.40	B23, B83	CN0A3
LV429436	878.50	B23, B83	CN0A3
LV429437	878.50	B23, B83	CN0A3
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LV429507	333.30	B21, B81	CN0A3
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LV429753	490.90	B7	CN0A3
LV429754	490.90	B7	CN0A3
LV429755	490.90	B7	CN0A3
LV429760	556.40	B9	CN0A3
LV429761	556.40	B9	CN0A3
LV429762	556.40	B9	CN0A3
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LV429805	876.60	B6	CN0A3
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LV429852	623.30	B6	CN0A3
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LV429854	623.30	B6	CN0A3
LV429855	623.30	B6	CN0A3
LV429856	623.30	B6	CN0A3
LV429857	623.30	B6	CN0A3
LV429870	1514.10	B1	CN0A3
LV429872	1514.10	B1	CN0A3
LV429875	2293.20	B1	CN0A3
LV429877	2293.20	B1	CN0A3
LV429880	1527.80	B3	CN0A3
LV429882	1527.80	B3	CN0A3
LV429885	2296.40	B3	CN0A3
LV429887	2296.40	B3	CN0A3
LV429890	1754.60	B6	CN0A3
LV429892	1754.60	B6	CN0A3
LV429895	2437.10	B6	CN0A3
LV429897	2437.10	B6	CN0A3
LV429930	1223.30	B5	CN0A3
LV429931	1223.30	B5	CN0A3
LV429932	1223.30	B5	CN0A3
LV429933	1223.30	B5	CN0A3
LV429934	1223.30	B5	CN0A3
LV429935	1223.30	B5	CN0A3
LV429936	1223.30	B5	CN0A3
LV429937	1223.30	B5	CN0A3
LV429940	1393.40	B5	CN0A3
LV429941	1393.40	B5	CN0A3
LV429942	1393.40	B5	CN0A3
LV429943	1393.40	B5	CN0A3
LV429944	1393.40	B5	CN0A3
LV429945	1393.40	B5	CN0A3
LV429946	1393.40	B5	CN0A3
LV429947	1393.40	B5	CN0A3
LV429970	1391.30	B5	CN0A3
LV429972	1391.30	B5	CN0A3
LV429974	1377.60	B2	CN0A3
LV429975	1377.60	B2	CN0A3
LV429980	1645.40	B5	CN0A3
LV429982	1645.40	B5	CN0A3
LV429984	1642.20	B2	CN0A3
LV429985	1642.20	B2	CN0A3
LV430310	470.30	B1	CN0A3
LV430311	470.30	B1	CN0A3
LV430312	470.30	B1	CN0A3
LV430313	470.30	B1	CN0A3
LV430320	791.10	B1	CN0A3
LV430321	791.10	B1	CN0A3
LV430322	791.10	B1	CN0A3
LV430323	791.10	B1	CN0A3
LV430340	1376.60	B2	CN0A3
LV430341	1376.60	B2	CN0A3
LV430342	1376.60	B2	CN0A3
LV430343	1376.60	B2	CN0A3
LV430350	1698.90	B2	CN0A3
LV430351	1698.90	B2	CN0A3
LV430352	1698.90	B2	CN0A3
LV430353	1698.90	B2	CN0A3
LV430391 + LV429030	785.90	B10	CN0A3
LV430391 + LV429031	785.90	B10	CN0A3
LV430391 + LV429070	969.20	B10	CN0A3
LV430391 + LV429090	1998.20	B10	CN0A3
LV430391 + LV429120	895.70	B11	CN0A3
LV430391 + LV429170	1244.50	B11	CN0A3
LV430391 + LV430430	785.90	B10	CN0A3
LV430391 + LV430431	785.90	B10	CN0A3
LV430391 + LV430470	969.20	B10	CN0A3
LV430391 + LV430490	1998.20	B10	CN0A3
LV430391 + LV430500	895.70	B11	CN0A3
LV430391 + LV430520	1244.50	B11	CN0A3
LV430396 + LV429040	1336.00	B10	CN0A3
LV430396 + LV429041	1336.00	B10	CN0A3
LV430396 + LV429080	1613.90	B10	CN0A3
LV430396 + LV429100	3157.40	B10	CN0A3
LV430396 + LV430440	1336.00	B10	CN0A3
LV430396 + LV430441	1336.00	B10	CN0A3
LV430396 + LV430480	1613.90	B10	CN0A3
LV430396 + LV430495	3157.40	B10	CN0A3
LV430405 + LV429030	943.50	B12	CN0A3
LV430405 + LV429031	943.50	B12	CN0A3
LV430405 + LV429070	1119.10	B12	CN0A3
LV430405 + LV429090	2158.80	B12	CN0A3
LV430405 + LV429120	1046.30	B13	CN0A3
LV430405 + LV429170	1368.70	B13	CN0A3
LV430405 + LV430430	943.50	B12	CN0A3
LV430405 + LV430431	943.50	B12	CN0A3
LV430405 + LV430470	1119.10	B12	CN0A3
LV430405 + LV430490	2158.80	B12	CN0A3
LV430405 + LV430500	1046.30	B13	CN0A3
LV430405 + LV430520	1368.70	B13	CN0A3
LV430410 + LV429040	1619.30	B12	CN0A3
LV430410 + LV429041	1619.30	B12	CN0A3
LV430410 + LV429080	1868.90	B12	CN0A3
LV430410 + LV429100	3430.40	B12	CN0A3
LV430410 + LV430440	1619.30	B12	CN0A3
LV430410 + LV430441	1619.30	B12	CN0A3
LV430410 + LV430480	1868.90	B12	CN0A3
LV430410 + LV430495	3430.40	B12	CN0A3
LV430554	62.70	B27	CN0A3
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LV430629	462.10	B17	CN0A3
LV430630	477.00	B3	CN0A3
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LV430632	477.00	B3	CN0A3
LV430633	477.00	B3	CN0A3
LV430639	754.00	B17	CN0A3
LV430640	787.00	B3	CN0A3
LV430641	787.00	B3	CN0A3
LV430642	787.00	B3	CN0A3
LV430643	787.00	B3	CN0A3
LV430670	636.00	B8	CN0A3
LV430671	636.00	B8	CN0A3
LV430672	636.00	B8	CN0A3
LV430673	636.00	B8	CN0A3
LV430680	1102.70	B8	CN0A3
LV430681	1102.70	B8	CN0A3

Reference	Price (S$)	Page	COS
LV430682	1102.70	B8	CN0A3
LV430683	1102.70	B8	CN0A3
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LV430746	639.70	B1	CN0A3
LV430750	1038.30	B1	CN0A3
LV430751	1038.30	B1	CN0A3
LV430770	656.20	B3	CN0A3
LV430771	656.20	B3	CN0A3
LV430775	726.20	B6	CN0A3
LV430776	726.20	B6	CN0A3
LV430780	1034.20	B3	CN0A3
LV430781	1034.20	B3	CN0A3
LV430785	1202.10	B6	CN0A3
LV430786	1202.10	B6	CN0A3
LV430790	819.90	B8	CN0A3
LV430791	819.90	B8	CN0A3
LV430794	2536.80	B8	CN0A3
LV430795	2536.80	B8	CN0A3
LV430800	1360.70	B8	CN0A3
LV430801	1360.70	B8	CN0A3
LV430804	2930.60	B8	CN0A3
LV430805	2930.60	B8	CN0A3
LV430830	589.70	B4	CN0A3
LV430831	589.70	B4	CN0A3
LV430832	660.40	B7	CN0A3
LV430833	660.40	B7	CN0A3
LV430834	755.10	B9	CN0A3
LV430835	755.10	B9	CN0A3
LV430840	550.50	B6	CN0A3
LV430841	550.50	B6	CN0A3
LV430842	550.50	B6	CN0A3
LV430843	550.50	B6	CN0A3
LV430850	964.10	B6	CN0A3
LV430851	964.10	B6	CN0A3
LV430852	964.10	B6	CN0A3
LV430853	964.10	B6	CN0A3
LV430870	1681.10	B1	CN0A3
LV430871	1681.10	B1	CN0A3
LV430875	2601.90	B1	CN0A3
LV430876	2601.90	B1	CN0A3
LV430880	1812.30	B3	CN0A3
LV430881	1812.30	B3	CN0A3
LV430885	2597.70	B3	CN0A3
LV430886	2597.70	B3	CN0A3
LV430890	2174.60	B6	CN0A3
LV430891	2174.60	B6	CN0A3
LV430895	2768.90	B6	CN0A3
LV430896	2768.90	B6	CN0A3
LV430930	1393.40	B5	CN0A3
LV430931	1393.40	B5	CN0A3
LV430932	1393.40	B5	CN0A3
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LV430943	1694.70	B5	CN0A3
LV430960	1544.60	B2	CN0A3
LV430961	1544.60	B2	CN0A3
LV430970	1561.40	B5	CN0A3
LV430971	1561.40	B5	CN0A3
LV430980	1946.70	B5	CN0A3
LV430981	1946.70	B5	CN0A3
LV430985	912.10	B4	CN0A3
LV430986	912.10	B4	CN0A3
LV430988	982.80	B7	CN0A3
LV430989	982.80	B7	CN0A3
LV430991	1077.50	B9	CN0A3
LV430992	1077.50	B9	CN0A3
LV430995	1950.90	B2	CN0A3
LV430996	1950.90	B2	CN0A3
LV431050	292.60	E2	CN0B5
LV431060	221.60	B20	CN0A3
LV431061	272.00	B20	CN0A3
LV431064	178.50	B20	CN0A3
LV431110	784.40	B1	CN0A3
LV431111	784.40	B1	CN0A3
LV431112	784.40	B1	CN0A3
LV431113	784.40	B1	CN0A3
LV431114	784.40	B1	CN0A3
LV431120	1346.30	B1	CN0A3
LV431121	1346.30	B1	CN0A3
LV431122	1346.30	B1	CN0A3
LV431123	1346.30	B1	CN0A3
LV431124	1346.30	B1	CN0A3
LV431140	956.90	B1	CN0A3
LV431141	956.90	B1	CN0A3
LV431142	956.90	B1	CN0A3
LV431145	2004.50	B1	CN0A3
LV431146	2004.50	B1	CN0A3
LV431147	2004.50	B1	CN0A3
LV431150	1593.50	B1	CN0A3
LV431151	1593.50	B1	CN0A3
LV431152	1593.50	B1	CN0A3
LV431155	3167.90	B1	CN0A3
LV431156	3167.90	B1	CN0A3
LV431157	3167.90	B1	CN0A3
LV431160	1242.80	B4	CN0A3
LV431161	1242.80	B4	CN0A3
LV431165	1408.20	B7	CN0A3
LV431166	1408.20	B7	CN0A3
LV431170	1597.50	B9	CN0A3
LV431171	1597.50	B9	CN0A3
LV431391 + LV429070	1599.20	B10	CN0A3
LV431391 + LV429090	2628.20	B10	CN0A3
LV431391 + LV430431	1403.90	B10	CN0A3
LV431391 + LV430470	1599.20	B10	CN0A3
LV431391 + LV430490	2628.20	B10	CN0A3
LV431391 + LV430500	1525.70	B11	CN0A3
LV431391 + LV430520	1886.50	B11	CN0A3
LV431391 + LV431430	1403.90	B10	CN0A3
LV431391 + LV431431	1403.90	B10	CN0A3
LV431391 + LV431432	1403.90	B10	CN0A3
LV431391 + LV431470	1599.20	B10	CN0A3
LV431391 + LV431490	2628.20	B10	CN0A3
LV431391 + LV431500	1525.70	B11	CN0A3
LV431391 + LV431520	1886.50	B11	CN0A3
LV431396 + LV429080	2684.90	B10	CN0A3
LV431396 + LV429100	4228.40	B10	CN0A3
LV431396 + LV430440	2386.60	B10	CN0A3
LV431396 + LV430441	2386.60	B10	CN0A3
LV431396 + LV430480	2684.90	B10	CN0A3
LV431396 + LV430495	4228.40	B10	CN0A3
LV431396 + LV431440	2386.60	B10	CN0A3
LV431396 + LV431441	2386.60	B10	CN0A3
LV431396 + LV431480	2684.90	B10	CN0A3
LV431396 + LV431495	4228.40	B10	CN0A3
LV431405 + LV429070	1866.80	B12	CN0A3
LV431405 + LV429090	2913.80	B12	CN0A3
LV431405 + LV430431	1684.10	B12	CN0A3
LV431405 + LV430470	1866.80	B12	CN0A3
LV431405 + LV430490	2913.80	B12	CN0A3
LV431405 + LV430500	1794.00	B13	CN0A3
LV431405 + LV430520	2116.40	B13	CN0A3
LV431405 + LV431430	1684.10	B12	CN0A3
LV431405 + LV431431	1684.10	B12	CN0A3
LV431405 + LV431432	1684.10	B12	CN0A3
LV431405 + LV431470	1866.80	B12	CN0A3
LV431405 + LV431490	2913.80	B12	CN0A3
LV431405 + LV431500	1794.00	B13	CN0A3
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LV431410 + LV429080	3140.80	B12	CN0A3
LV431410 + LV429100	4714.50	B12	CN0A3
LV431410 + LV430440	2891.20	B12	CN0A3
LV431410 + LV430441	2891.20	B12	CN0A3
LV431410 + LV430480	3140.80	B12	CN0A3
LV431410 + LV430495	4714.50	B12	CN0A3
LV431410 + LV431440	2891.20	B12	CN0A3
LV431410 + LV431441	2891.20	B12	CN0A3
LV431410 + LV431480	3140.80	B12	CN0A3
LV431410 + LV431495	4714.50	B12	CN0A3
LV431535	1326.20	B18, B79	CN0A3
LV431536	1326.20	B18, B79	CN0A3
LV431540	1004.80	B23, B83	CN0A3
LV431541	1004.80	B23, B83	CN0A3
LV431542	1004.80	B23, B83	CN0A3
LV431543	1255.20	B23, B83	CN0A3
LV431544	1255.20	B23, B83	CN0A3
LV431545	1255.20	B23, B83	CN0A3
LV431546	1255.20	B23, B83	CN0A3
LV431548	1004.80	B23, B83	CN0A3
LV431549	1548.80	B23	CN0A3
LV431563	45.20	B20, B80	CN0A3
LV431564	59.90	B20, B80	CN0A3
LV431629	771.20	B17	CN0A3
LV431630	795.00	B3	CN0A3
LV431631	795.00	B3	CN0A3
LV431632	795.00	B3	CN0A3
LV431633	795.00	B3	CN0A3
LV431634	795.00	B3	CN0A3
LV431639	1336.40	B17	CN0A3
LV431640	1379.10	B3	CN0A3

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LV431641	1379.10	B3	CN0A3
LV431642	1379.10	B3	CN0A3
LV431643	1379.10	B3	CN0A3
LV431644	1379.10	B3	CN0A3
LV431670	1147.40	B8	CN0A3
LV431671	1147.40	B8	CN0A3
LV431672	1147.40	B8	CN0A3
LV431673	1147.40	B8	CN0A3
LV431674	1147.40	B8	CN0A3
LV431680	1987.90	B8	CN0A3
LV431681	1987.90	B8	CN0A3
LV431682	1987.90	B8	CN0A3
LV431683	1987.90	B8	CN0A3
LV431684	1987.90	B8	CN0A3
LV431748	920.40	B4	CN0A3
LV431749	920.40	B4	CN0A3
LV431752	1085.80	B7	CN0A3
LV431753	1085.80	B7	CN0A3
LV431756	1275.10	B9	CN0A3
LV431757	1275.10	B9	CN0A3
LV431770	983.70	B3	CN0A3
LV431771	983.70	B3	CN0A3
LV431772	983.70	B3	CN0A3
LV431780	1639.80	B3	CN0A3
LV431781	1639.80	B3	CN0A3
LV431782	1639.80	B3	CN0A3
LV431790	1334.90	B8	CN0A3
LV431791	1334.90	B8	CN0A3
LV431792	1334.90	B8	CN0A3
LV431795	2389.80	B8	CN0A3
LV431796	2389.80	B8	CN0A3
LV431797	2389.80	B8	CN0A3
LV431800	2235.10	B8	CN0A3
LV431801	2235.10	B8	CN0A3
LV431802	2235.10	B8	CN0A3
LV431805	3822.00	B8	CN0A3
LV431806	3822.00	B8	CN0A3
LV431807	3822.00	B8	CN0A3
LV431830	963.60	B6	CN0A3
LV431831	963.60	B6	CN0A3
LV431832	963.60	B6	CN0A3
LV431833	963.60	B6	CN0A3
LV431834	963.60	B6	CN0A3
LV431840	1670.70	B6	CN0A3
LV431841	1670.70	B6	CN0A3
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LV431843	1670.70	B6	CN0A3
LV431844	1670.70	B6	CN0A3
LV431860	2031.80	B3	CN0A3
LV431861	2031.80	B3	CN0A3
LV431862	2031.80	B3	CN0A3
LV431865	3215.10	B3	CN0A3
LV431866	3215.10	B3	CN0A3
LV431867	3215.10	B3	CN0A3
LV431870	1147.50	B6	CN0A3
LV431871	1147.50	B6	CN0A3
LV431872	1147.50	B6	CN0A3
LV431875	1917.90	B6	CN0A3
LV431876	1917.90	B6	CN0A3
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LV431882	2198.70	B6	CN0A3
LV431885	3498.60	B6	CN0A3
LV431886	3498.60	B6	CN0A3
LV431887	3498.60	B6	CN0A3
LV431900	2067.50	B2	CN0A3
LV431901	2067.50	B2	CN0A3
LV431902	2067.50	B2	CN0A3
LV431903	2067.50	B2	CN0A3
LV431904	2067.50	B2	CN0A3
LV431910	2632.40	B2	CN0A3
LV431911	2632.40	B2	CN0A3
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LV431913	2632.40	B2	CN0A3
LV431914	2632.40	B2	CN0A3
LV431930	2094.80	B5	CN0A3
LV431931	2094.80	B5	CN0A3
LV431932	2094.80	B5	CN0A3
LV431933	2094.80	B5	CN0A3
LV431934	2094.80	B5	CN0A3
LV431940	2679.60	B5	CN0A3
LV431941	2679.60	B5	CN0A3
LV431942	2679.60	B5	CN0A3
LV431943	2679.60	B5	CN0A3
LV431944	2679.60	B5	CN0A3
LV431970	2262.80	B5	CN0A3
LV431971	2262.80	B5	CN0A3
LV431972	2262.80	B5	CN0A3
LV431975	2235.50	B2	CN0A3
LV431976	2235.50	B2	CN0A3
LV431977	2235.50	B2	CN0A3
LV431980	2931.60	B5	CN0A3
LV431981	2931.60	B5	CN0A3
LV431982	2931.60	B5	CN0A3
LV431985	2884.40	B2	CN0A3
LV431986	2884.40	B2	CN0A3
LV431987	2884.40	B2	CN0A3
LV432405 + LV432069 + (2x) LV432490	2993.20	B32	CN0A3
LV432405 + LV432072 + (2x) LV432490	3178.00	B32	CN0A3
LV432405 + LV432081 + (2x) LV432490	2684.20	B32	CN0A3
LV432405 + LV432091 + (2x) LV432490	3611.20	B32	CN0A3
LV432410 + LV432085 + (2x) LV432491	4564.00	B32	CN0A3
LV432410 + LV432094 + (2x) LV432491	5954.50	B32	CN0A3
LV432414 + LV432069 + (2x) LV432490	2595.60	B31	CN0A3
LV432414 + LV432072 + (2x) LV432490	2784.60	B31	CN0A3
LV432414 + LV432081 + (2x) LV432490	2237.20	B31	CN0A3
LV432414 + LV432091 + (2x) LV432490	3225.60	B31	CN0A3
LV432416 + LV432085 + (2x) LV432491	3802.80	B31	CN0A3
LV432416 + LV432094 + (2x) LV432491	5294.10	B31	CN0A3
LV432453	1580.30	B43	CN0A3
LV432454	1704.20	B43	CN0A3
LV432455	1580.30	B43, B86	CN0A3
LV432456	1704.20	B43, B86	CN0A3
LV432457	244.70	B43, B86	CN0A3
LV432459	30.80	B46	CN0A3
LV432461	62.70	B46	CN0A3
LV432475	131.30	B37,B39, B87	CN0A3
LV432475	131.30	E2	CN0A3
LV432476	215.30	B37,B39, B87	CN0A3
LV432476	215.30	E2	CN0A3
LV432479	150.90	B39, B87	CN0A3
LV432480	202.30	B39, B87	CN0A3
LV432481	316.80	B39, B87	CN0A3
LV432482	421.60	B39, B87	CN0A3
LV432484	148.80	B39, B87	CN0A3
LV432485	202.30	B39, B87	CN0A3
LV432486	271.80	B39, B87	CN0A3
LV432487	361.70	B39, B87	CN0A3
LV432490	62.40	B37	CN0A3
LV432490	62.40	E2	CN0A3
LV432491	75.50	B37	CN0A3
LV432491	75.50	E2	CN0A3
LV432492	106.10	B37	CN0A3
LV432492	106.10	E2	CN0A3
LV432493	151.90	B37	CN0A3
LV432493	151.90	E2	CN0A3
LV432498	325.60	B46	CN0A3
LV432500	100.00	B39, B87	CN0A3
LV432501	199.00	B39, B87	CN0A3
LV432502	174.80	B39, B87	CN0A3
LV432503	228.30	B39, B87	CN0A3
LV432504	299.00	B39, B87	CN0A3
LV432505	379.80	B39, B87	CN0A3
LV432506	488.90	B39, B87	CN0A3
LV432507	649.50	B39, B87	CN0A3
LV432516	658.80	B45	CN0A3
LV432517	608.10	B45	CN0A3
LV432518	75.60	B45	CN0A3
LV432520	30.30	B45	CN0A3
LV432521	62.70	B45	CN0A3
LV432523	57.30	B45	CN0A3
LV432525	28.60	B45	CN0A3
LV432526	271.70	B45	CN0A3
LV432532	383.60	B38	CN0A3
LV432533	129.60	B38	CN0A3
LV432534	61.60	B45	CN0A3

Reference	Price (S$)	Page	COS
LV432538	914.00	B37, B38	CN0A3
LV432539	955.80	B37, B38	CN0A3
LV432540	1275.00	B37, B38	CN0A3
LV432541	1437.20	B37, B38	CN0A3
LV432552	24.50	B46, B91	CN0A3
LV432553	77.00	B46, B91	CN0A3
LV432557	159.50	B44	CN0A3
LV432558	77.00	B44	CN0A3
LV432559	308.00	B44	CN0A3
LV432560	181.50	B44	CN0A3
LV432570	34.70	B40, B88	CN0A3
LV432570	34.70	E2	CN0A3
LV432571	113.90	B46	CN0A3
LV432575	619.30	B37	CN0A3
LV432578	63.00	B40, B88	CN0A3
LV432579	100.80	B40, B88	CN0A3
LV432584	49.10	B40, B45	CN0A3
LV432585	62.20	B40, B45	CN0A3
LV432586	271.80	B39	CN0A3
LV432587	361.70	B39	CN0A3
LV432591	26.00	B40, B45, B88	CN0A3
LV432592	35.70	B40, B45, B88	CN0A3
LV432592	35.70	C1	CN0A3
LV432592	35.70	E2	CN0A3
LV432593	49.40	B40, B88	CN0A3
LV432594	69.30	B40, B88	CN0A3
LV432594	69.30	C1	CN0A3
LV432594	69.30	E2	CN0A3
LV432595	64.10	B40, B88	CN0A3
LV432596	73.50	B40, B88	CN0A3
LV432596	73.50	C1	CN0A3
LV432596	73.50	E2	CN0A3
LV432597	142.80	B42, B90	CN0A3
LV432598	220.20	B42, B90	CN0A3
LV432599	164.60	B42	CN0A3
LV432600	236.60	B42	CN0A3
LV432602	276.90	B42	CN0A3
LV432603	409.90	B42	CN0A3
LV432604	51.70	B43, B44, B90, B91	CN0A3
LV432605	207.90	B42	CN0A3
LV432606	131.90	B42	CN0A3
LV432614	476.30	B44	CN0A3
LV432619	999.70	C1	CN0A3
LV432620	1136.80	C1	CN0A3
LV432620	1136.80	E2	CN0A3
LV432621	469.70	B44, B91	CN0AZ
LV432631	77.00	B43, B90	CN0A3
LV432639	1592.20	B42, B89	CN0A3
LV432640	1592.20	B42, B89	CN0A3
LV432641	1592.20	B42, B89	CN0A3
LV432642	1592.20	B42, B89	CN0A3
LV432643	1740.60	B42, B89	CN0A3
LV432644	1740.60	B42, B89	CN0A3
LV432645	1740.60	B42, B89	CN0A3
LV432646	1740.60	B42, B89	CN0A3
LV432647	1740.60	B42, B89	CN0A3
LV432648	363.00	B42, B89	CN0A3
LV432649	51.70	B43, B90	CN0A3
LV432652	2838.00	B42	CN0A3
LV432676SPDR	1233.20	B28	CN0A3
LV432677SPDR	1972.70	B28	CN0A3
LV432678SPDR	2151.20	B28	CN0A3
LV432679SPDR	3349.70	B28	CN0A3
LV432693SPDR	1480.10	B29	CN0A3
LV432694SPDR	2515.40	B29	CN0A3
LV432695SPDR	1846.20	B30	CN0A3
LV432696SPDR	3138.60	B30	CN0A3
LV432699SPDR	2398.10	B29	CN0A3
LV432700SPDR	3892.40	B29	CN0A3
LV432701SPDR	2764.20	B30	CN0A3
LV432702SPDR	4515.60	B30	CN0A3
LV432731SPDR	2768.30	B28	CN0A3
LV432732SPDR	3628.10	B28	CN0A3
LV432733SPDR	3015.10	B29	CN0A3
LV432734SPDR	4170.80	B29	CN0A3
LV432748SPDR	1539.20	B28	CN0A3
LV432749SPDR	1786.10	B29	CN0A3
LV432750SPDR	2152.20	B30	CN0A3
LV432756SPDR	1195.00	B36	CN0A3
LV432757SPDR	1911.60	B36	CN0A3
LV432775SPDR	1722.80	B28	CN0A3
LV432776SPDR	1969.60	B29	CN0A3
LV432777SPDR	2335.80	B30	CN0A3
LV432805 + LV432068 + (2x) LV432492	4015.00	B32	CN0A3
LV432805 + LV432071 + (2x) LV432492	4200.00	B32	CN0A3
LV432805 + LV432080 + (2x) LV432492	3706.00	B32	CN0A3
LV432805 + LV432090 + (2x) LV432492	4633.00	B32	CN0A3
LV432810 + LV432084 + (2x) LV432493	6299.50	B32	CN0A3
LV432810 + LV432093 + (2x) LV432493	7690.00	B32	CN0A3
LV432814 + LV432068 + (2x) LV432492	3462.90	B31	CN0A3
LV432814 + LV432071 + (2x) LV432492	3651.90	B31	CN0A3
LV432814 + LV432080 + (2x) LV432492	3088.00	B31	CN0A3
LV432814 + LV432090 + (2x) LV432492	4092.90	B31	CN0A3
LV432816 + LV432084 + (2x) LV432493	5248.90	B31	CN0A3
LV432816 + LV432093 + (2x) LV432493	6768.30	B31	CN0A3
LV432876SPDR	1819.70	B28	CN0A3
LV432877SPDR	3094.70	B28	CN0A3
LV432878SPDR	2737.70	B28	CN0A3
LV432879SPDR	4471.70	B28	CN0A3
LV432893SPDR	2142.00	B29	CN0A3
LV432894SPDR	3641.40	B29	CN0A3
LV432895SPDR	2548.00	B30	CN0A3
LV432896SPDR	4332.00	B30	CN0A3
LV432899SPDR	3060.00	B29	CN0A3
LV432900SPDR	5018.40	B29	CN0A3
LV432901SPDR	3466.00	B30	CN0A3
LV432902SPDR	5708.90	B30	CN0A3
LV432931SPDR	3354.80	B28	CN0A3
LV432932SPDR	4750.10	B28	CN0A3
LV432933SPDR	3677.10	B29	CN0A3
LV432934SPDR	5296.90	B29	CN0A3
LV432948SPDR	2125.70	B28	CN0A3
LV432949SPDR	2448.00	B29	CN0A3
LV432950SPDR	2854.00	B30	CN0A3
LV432956SPDR	1762.80	B36	CN0A3
LV432957SPDR	2997.30	B36	CN0A3
LV432975SPDR	2309.30	B28	CN0A3
LV432976SPDR	2631.60	B29	CN0A3
LV432977SPDR	3037.60	B30	CN0A3
LV433200	763.40	B14	CN0A3
LV433201	1361.40	B14	CN0A3
LV433202	763.40	B14	CN0A3
LV433203	1361.40	B14	CN0A3
LV433204	763.40	B14	CN0A3
LV433205	1361.40	B14	CN0A3
LV433206	763.40	B14	CN0A3
LV433207	1361.40	B14	CN0A3
LV433208	763.40	B14	CN0A3
LV433209	1361.40	B14	CN0A3
LV433210	791.50	B15	CN0A3
LV433211	1344.80	B15	CN0A3
LV433212	791.50	B15	CN0A3
LV433213	1344.80	B15	CN0A3
LV433214	791.50	B15	CN0A3
LV433215	1344.80	B15	CN0A3
LV433216	791.50	B15	CN0A3
LV433217	1344.80	B15	CN0A3
LV433218	791.50	B15	CN0A3
LV433219	1344.80	B15	CN0A3
LV433220	950.60	B16	CN0A3
LV433221	1614.10	B16	CN0A3
LV433222	950.60	B16	CN0A3
LV433223	1614.10	B16	CN0A3
LV433224	950.60	B16	CN0A3
LV433225	1614.10	B16	CN0A3
LV433226	950.60	B16	CN0A3
LV433227	1614.10	B16	CN0A3
LV433228	950.60	B16	CN0A3
LV433229	1614.10	B16	CN0A3
LV433242	875.30	B14	CN0A3
LV433243	875.30	B14	CN0A3
LV433244	875.30	B14	CN0A3
LV433245	875.30	B14	CN0A3
LV433248	928.80	B15	CN0A3
LV433249	928.80	B15	CN0A3
LV433250	928.80	B15	CN0A3
LV433251	928.80	B15	CN0A3
LV433254	1115.00	B16	CN0A3
LV433255	1115.00	B16	CN0A3

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Reference	Price (S$)	Page	COS
LV433256	1115.00	B16	CN0A3
LV433257	1115.00	B16	CN0A3
LV433270	988.90	B14	CN0A3
LV433271	1639.00	B14	CN0A3
LV433272	988.90	B14	CN0A3
LV433273	1639.00	B14	CN0A3
LV433274	1246.60	B14	CN0A3
LV433275	1246.60	B14	CN0A3
LV433276	1246.60	B14	CN0A3
LV433277	2724.30	B14	CN0A3
LV433278	3939.80	B14	CN0A3
LV433279	2724.30	B14	CN0A3
LV433280	3939.80	B14	CN0A3
LV433300	998.60	B15	CN0A3
LV433301	1656.90	B15	CN0A3
LV433302	998.60	B15	CN0A3
LV433303	1656.90	B15	CN0A3
LV433304	1322.60	B15	CN0A3
LV433305	1322.60	B15	CN0A3
LV433306	1322.60	B15	CN0A3
LV433307	3016.80	B15	CN0A3
LV433308	4221.00	B15	CN0A3
LV433309	3016.80	B15	CN0A3
LV433310	4221.00	B15	CN0A3
LV433330	1199.10	B16	CN0A3
LV433331	1988.70	B16	CN0A3
LV433332	1199.10	B16	CN0A3
LV433333	1988.70	B16	CN0A3
LV433334	1587.90	B16	CN0A3
LV433335	1587.90	B16	CN0A3
LV433336	1587.90	B16	CN0A3
LV433337	3187.50	B16	CN0A3
LV433338	4509.30	B16	CN0A3
LV433339	3187.50	B16	CN0A3
LV433340	4509.30	B16	CN0A3
LV433470	1939.80	B14	CN0A3
LV433471	3275.40	B14	CN0A3
LV433472	1939.80	B14	CN0A3
LV433473	3275.40	B14	CN0A3
LV433474	1939.80	B14	CN0A3
LV433475	3275.40	B14	CN0A3
LV433476	1939.80	B14	CN0A3
LV433477	3275.40	B14	CN0A3
LV433478	2033.90	B15	CN0A3
LV433479	3460.80	B15	CN0A3
LV433480	2033.90	B15	CN0A3
LV433481	3460.80	B15	CN0A3
LV433482	2033.90	B15	CN0A3
LV433483	3460.80	B15	CN0A3
LV433484	2033.90	B15	CN0A3
LV433485	3460.80	B15	CN0A3
LV433486	2487.80	B16	CN0A3
LV433487	4153.80	B16	CN0A3
LV433488	2418.00	B16	CN0A3
LV433489	4153.80	B16	CN0A3
LV433490	2418.00	B16	CN0A3
LV433491	4153.80	B16	CN0A3
LV433492	2418.00	B16	CN0A3
LV433493	4153.80	B16	CN0A3
LV433500	1543.00	B14	CN0A3
LV433501	1605.00	B14	CN0A3
LV433502	2122.90	B15	CN0A3
LV433503	2187.10	B15	CN0A3
LV433504	2547.70	B16	CN0A3
LV433505	2624.80	B16	CN0A3
LV433510	2121.10	B14	CN0A3
LV433511	3582.80	B14	CN0A3
LV433512	2121.10	B14	CN0A3
LV433513	3582.80	B14	CN0A3
LV433514	2121.10	B14	CN0A3
LV433515	3582.80	B14	CN0A3
LV433516	2438.60	B14	CN0A3
LV433517	2438.60	B14	CN0A3
LV433518	4045.70	B14	CN0A3
LV433519	6190.00	B14	CN0A3
LV433520	4045.70	B14	CN0A3
LV433521	6190.00	B14	CN0A3
LV433522	4045.70	B14	CN0A3
LV433523	6190.00	B14	CN0A3
LV433540	2168.30	B15	CN0A3
LV433541	3760.10	B15	CN0A3
LV433542	2168.30	B15	CN0A3
LV433543	3760.10	B15	CN0A3
LV433544	2168.30	B15	CN0A3
LV433545	3760.10	B15	CN0A3
LV433546	2583.00	B15	CN0A3
LV433547	2583.00	B15	CN0A3
LV433548	4325.90	B15	CN0A3
LV433549	6450.10	B15	CN0A3
LV433550	4325.90	B15	CN0A3
LV433551	6450.10	B15	CN0A3
LV433552	4325.90	B15	CN0A3
LV433553	6450.10	B15	CN0A3
LV433570	2601.90	B16	CN0A3
LV433571	4512.90	B16	CN0A3
LV433572	2601.90	B16	CN0A3
LV433573	4512.90	B16	CN0A3
LV433574	2601.90	B16	CN0A3
LV433575	4512.90	B16	CN0A3
LV433576	3099.80	B16	CN0A3
LV433577	3099.80	B16	CN0A3
LV433578	4757.30	B16	CN0A3
LV433579	7184.70	B16	CN0A3
LV433580	4757.30	B16	CN0A3
LV433581	7184.70	B16	CN0A3
LV433582	4757.30	B16	CN0A3
LV433583	7184.70	B16	CN0A3
LV433602 + (2x) LV432490	2918.00	B33	CN0A3
LV433603 + (2x) LV432491	4962.00	B33	CN0A3
LV433604 + (2x) LV432490	3254.00	B33	CN0A3
LV433605 + (2x) LV432490	3456.00	B33	CN0A3
LV433606 + (2x) LV432490	4918.00	B33	CN0A3
LV433607 + (2x) LV432491	7512.00	B33	CN0A3
LV433622 + (2x) LV432490	3117.00	B34	CN0A3
LV433623 + (2x) LV432491	5393.00	B34	CN0A3
LV433624 + (2x) LV432490	3562.00	B34	CN0A3
LV433625 + (2x) LV432490	3775.00	B34	CN0A3
LV433625 + (2x) LV432491	7943.00	B34	CN0A3
LV433626 + (2x) LV432490	5117.00	B34	CN0A3
LV433638	135.70	E3	CN0A3
LV433639	164.22	E3	CN0A3
LV433642 + (2x) LV432490	3828.60	B35	CN0A3
LV433643 + (2x) LV432491	6636.30	B35	CN0A3
LV433644 + (2x) LV432490	4378.60	B35	CN0A3
LV433645 + (2x) LV432490	4622.70	B35	CN0A3
LV433646 + (2x) LV432490	5888.60	B35	CN0A3
LV433647 + (2x) LV432491	9262.80	B35	CN0A3
LV433700 + (2x) LV432492	4099.00	B33	CN0A3
LV433701 + (2x) LV432493	7008.00	B33	CN0A3
LV433702 + (2x) LV432492	4365.00	B33	CN0A3
LV433703 + (2x) LV432492	4567.00	B33	CN0A3
LV433704 + (2x) LV432492	6099.00	B33	CN0A3
LV433705 + (2x) LV432493	9508.00	B33	CN0A3
LV433720 + (2x) LV432492	4342.00	B34	CN0A3
LV433721 + (2x) LV432493	7717.00	B34	CN0A3
LV433722 + (2x) LV432492	4687.00	B34	CN0A3
LV433723 + (2x) LV432492	5035.00	B34	CN0A3
LV433724 + (2x) LV432492	6342.00	B34	CN0A3
LV433725 + (2x) LV432493	10267.00	B34	CN0A3
LV433740 + (2x) LV432492	5325.10	B35	CN0A3
LV433741 + (2x) LV432493	9478.10	B35	CN0A3
LV433742 + (2x) LV432492	5751.60	B35	CN0A3
LV433743 + (2x) LV432492	6182.10	B35	CN0A3
LV433744 + (2x) LV432492	7385.10	B35	CN0A3
LV433745 + (2x) LV432493	12104.60	B35	CN0A3

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LV434200	168.00	B23, B42, B47	CN0A3
LV434010	1049.00	A5, A17	CN0A3
LV434011	1599.40	A5, A17	CN0A3
LV434063	1049.80	A5, A17	CN0A3
LV434196	28.07	A5, A17	CN0A3
LV434197	56.13	A5, A17	CN0A3
LV434201	196.90	B23, B42, B47	CN0A3
LV434202	205.50	B23, B42, B47	CN0A3
LV434204	1807.30	B23, B42, B47	CN0A3
LV434205	479.40	B23, B42, B47	CN0A3
LV434210	363.00	B18, B37	CN0A3
LV434212	609.40	B18, B37	CN0A3
LV438003 + LV438028	445.80	B48	CN0A3
LV438008 + LV438048	646.70	B48	CN0A3
LV438018 + LV438028	530.40	B48	CN0A3
LV438019 + LV438048	768.10	B48	CN0A3
LV438103 + LV438135	754.80	B48	CN0A3
LV438108 + LV438145	1094.50	B48	CN0A3
LV438118 + LV438135	1152.60	B48	CN0A3
LV438119 + LV438145	1655.50	B48	CN0A3
LV438203 + LV438245	1440.30	B48	CN0A3
LV438208 + LV438255	2087.00	B48	CN0A3
LV438218 + LV438245	1540.20	B48	CN0A3
LV438219 + LV438255	2234.90	B48	CN0A3
LV438403	1957.30	B49	CN0A3
LV438408	2837.20	B49	CN0A3
LV438418	2201.70	B49	CN0A3
LV438419	3192.80	B49	CN0A3
LV438428	2201.70	B49	CN0A3
LV438429	3192.80	B49	CN0A3
LV438503	3215.70	B49	CN0A3
LV438508	4662.40	B49	CN0A3
LV438518	3494.40	B49	CN0A3
LV438519	5066.90	B49	CN0A3
LV438528	3494.40	B49	CN0A3
LV438529	5066.90	B49	CN0A3
LV438538	3494.40	B49	CN0A3
LV438539	5066.90	B49	CN0A3
LV438562	315.20	B48	CN0A3
LV438563	315.20	B48	CN0A3
LV438564	315.20	B48	CN0A3
LV438565	315.20	B48	CN0A3
LV438566	315.20	B48	CN0A3
LV438567	315.20	B48	CN0A3
LV438568	315.20	B48	CN0A3
LV438569	315.20	B48	CN0A3
LV438570	315.20	B48	CN0A3
LV438572	329.00	B48	CN0A3
LV438573	329.00	B48	CN0A3
LV438574	329.00	B48	CN0A3
LV438575	329.00	B48	CN0A3
LV438576	329.00	B48	CN0A3
LV438577	329.00	B48	CN0A3
LV438578	329.00	B48	CN0A3
LV438579	329.00	B48	CN0A3
LV438580	329.00	B48	CN0A3
LV438582	436.00	B48	CN0A3
LV438583	436.00	B48	CN0A3
LV438584	436.00	B48	CN0A3
LV438585	436.00	B48	CN0A3
LV438586	436.00	B48	CN0A3
LV438587	436.00	B48	CN0A3
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LV510300	168.90	B77	CN0A9
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LV510302	168.90	B77	CN0A9
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LV510304	168.90	B77	CN0A9
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LV525303	465.00	B77	CN0A9
LV525311	760.00	B77	CN0A9
LV525312	760.00	B77	CN0A9

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NW12H24F2	14627.90	A10	CN0AT
NW12HA3DX	9712.50	A18	CN0AT
NW12HA3FX	7945.80	A18	CN0AT
NW12HA4DX	12804.10	A18	CN0AT
NW12HA4FX	11107.80	A18	CN0AT
NW12HF3DX	10783.50	A18	CN0AT
NW12HF3FX	9016.80	A18	CN0AT
NW12HF4DX	13875.10	A18	CN0AT
NW12HF4FX	12178.80	A18	CN0AT
NW12N13D2	10928.30	A10	CN0AT
NW12N13F2	8742.50	A10	CN0AT
NW12N14D2	13988.30	A10	CN0AT
NW12N14F2	11191.50	A10	CN0AT
NW12NA3DX	9602.30	A18	CN0AT
NW12NA3FX	7416.50	A18	CN0AT
NW12NA4DX	12662.30	A18	CN0AT
NW12NA4FX	9865.50	A18	CN0AT
NW16H13D2	11724.00	A10	CN0AT
NW16H13F2	10045.00	A10	CN0AT
NW16H14D2	15007.00	A10	CN0AT
NW16H14F2	13470.20	A10	CN0AT
NW16H23D2	13793.00	A10	CN0AT
NW16H23F2	12380.80	A10	CN0AT
NW16H24D2	17655.00	A10	CN0AT
NW16H24F2	15847.80	A10	CN0AT
NW16HA3DX	10632.50	A18	CN0AT
NW16HA3FX	8719.00	A18	CN0AT
NW16HA4DX	13981.20	A18	CN0AT
NW16HA4FX	12144.20	A18	CN0AT
NW16HF3DX	11703.50	A18	CN0AT
NW16HF3FX	9790.00	A18	CN0AT

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Reference	Price (S$)	Page	COS
NW16HF4DX	15052.20	A18	CN0AT
NW16HF4FX	13215.20	A18	CN0AT
NW16N13D2	11300.60	A10	CN0AT
NW16N13F2	9471.80	A10	CN0AT
NW16N14D2	15154.20	A10	CN0AT
NW16N14F2	12123.80	A10	CN0AT
NW16NA3DX	9974.60	A18	CN0AT
NW16NA3FX	8145.70	A18	CN0AT
NW16NA4DX	13828.20	A18	CN0AT
NW16NA4FX	10797.80	A18	CN0AT
NW20H13D2	13527.00	A10	CN0AT
NW20H13F2	10414.20	A10	CN0AT
NW20H14D2	17316.00	A10	CN0AT
NW20H14F2	15543.80	A10	CN0AT
NW20H23D2	17507.00	A10	CN0AT
NW20H23F2	12252.30	A10	CN0AT
NW20H24D2	21390.00	A10	CN0AT
NW20H24F2	18286.60	A10	CN0AT
NW20HA3DX	12471.60	A18	CN0AT
NW20HA3FX	9088.20	A18	CN0AT
NW20HA4DX	16336.40	A18	CN0AT
NW20HA4FX	14217.80	A18	CN0AT
NW20HF3DX	13542.60	A18	CN0AT
NW20HF3FX	10159.20	A18	CN0AT
NW20HF4DX	17407.40	A18	CN0AT
NW20HF4FX	15288.80	A18	CN0AT
NW25H13D2	18038.00	A10	CN0AT
NW25H13F2	13885.30	A10	CN0AT
NW25H14D2	23087.00	A10	CN0AT
NW25H14F2	17773.50	A10	CN0AT
NW25H23D2	20020.00	A10	CN0AT
NW25H23F2	16336.40	A10	CN0AT
NW25H24D2	25625.00	A10	CN0AT
NW25H24F2	20910.00	A10	CN0AT
NW25HA3DX	17072.80	A18	CN0AT
NW25HA3FX	12559.30	A18	CN0AT
NW25HA4DX	22222.80	A18	CN0AT
NW25HA4FX	16447.50	A18	CN0AT
NW25HF3DX	18143.80	A18	CN0AT
NW25HF3FX	13630.00	A18	CN0AT
NW25HF4DX	23293.80	A18	CN0AT
NW25HF4FX	17518.50	A18	CN0AT
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NW32H13F2	16662.80	A10	CN0AT
NW32H14D2	26138.00	A10	CN0AT
NW32H14F2	21328.20	A10	CN0AT
NW32H23D2	24023.00	A10	CN0AT
NW32H23F2	19603.40	A10	CN0AT
NW32H24D2	30750.00	A10	CN0AT
NW32H24F2	25092.00	A10	CN0AT
NW32HA3DX	19502.40	A18	CN0AT
NW32HA3FX	15336.80	A18	CN0AT
NW32HA4DX	25334.80	A18	CN0AT
NW32HA4FX	20002.20	A18	CN0AT
NW32HF3DX	20573.40	A18	CN0AT
NW32HF3FX	16407.70	A18	CN0AT
NW32HF4DX	26405.80	A18	CN0AT
NW32HF4FX	21073.20	A18	CN0AT
NW40H13D2	30630.00	A10	CN0AT
NW40H13F2	24994.10	A10	CN0AT
NW40H14D2	39206.00	A10	CN0AT
NW40H14F2	31992.30	A10	CN0AT
NW40H23D2	36395.40	A10	CN0AT
NW40H23F2	29404.60	A10	CN0AT
NW40H24D2	46586.30	A10	CN0AT
NW40H24F2	37638.00	A10	CN0AT
NW40HA3DX	29916.60	A18	CN0AT
NW40HA3FX	23668.10	A18	CN0AT
NW40HA4DX	38664.20	A18	CN0AT
NW40HA4FX	30666.30	A18	CN0AT
NW40HF3DX	30987.60	A18	CN0AT
NW40HF3FX	24739.10	A18	CN0AT
NW40HF4DX	39735.20	A18	CN0AT
NW40HF4FX	31737.30	A18	CN0AT
NW4bH13D2	42967.50	A10	CN0AT
NW4bH13F2	34713.70	A10	CN0AT
NW4bH14D2	54453.00	A10	CN0AT
NW4bH14F2	44434.30	A10	CN0AT
NW4bH23D2	51050.00	A10	CN0AT
NW4bH23F2	40839.80	A10	CN0AT
NW4bH24D2	65344.30	A10	CN0AT
NW4bH24F2	52275.00	A10	CN0AT
NW4bHA3DX	42066.90	A18	CN0AT
NW4bHA3FX	33387.70	A18	CN0AT
NW4bHA4DX	54216.10	A18	CN0AT
NW4bHA4FX	43108.30	A18	CN0AT
NW50H13D2	68746.70	A10	CN0AT
NW50H13F2	55542.10	A10	CN0AT
NW50H14D2	87125.00	A10	CN0AT
NW50H14F2	71094.00	A10	CN0AT
NW50H23D2	80878.80	A10	CN0AT
NW50H23F2	65344.30	A10	CN0AT
NW50H24D2	103525.00	A10	CN0AT
NW50H24F2	83640.00	A10	CN0AT
NW50HA3DX	68101.40	A18	CN0AT
NW50HA3FX	54216.10	A18	CN0AT
NW50HA4DX	87541.50	A18	CN0AT
NW50HA4FX	69768.00	A18	CN0AT
NW63H13D2	85933.90	A10	CN0AT
NW63H13F2	69427.40	A10	CN0AT
NW63H14D2	108906.00	A10	CN0AT
NW63H14F2	88867.50	A10	CN0AT
NW63H23D2	101099.00	A10	CN0AT
NW63H23F2	81679.60	A10	CN0AT
NW63H24D2	129406.30	A10	CN0AT
NW63H24F2	104550.00	A10	CN0AT
NW63HA3DX	85458.70	A18	CN0AT
NW63HA3FX	68101.40	A18	CN0AT
NW63HA4DX	109758.20	A18	CN0AT
NW63HA4FX	87541.50	A18	CN0AT
P			
PKE16M413	13.87	D42	CU0DM
PKE16M423	10.06	D42	CU0DM
PKE16M434	14.89	D42	CU0DM
PKE16M435	19.18	D42	CU0DM
PKE32M423	18.94	D42	CU0DM
PKE32M434	19.18	D42	CU0DM
PKE32M435	24.50	D42	CU0DM
PKF16F413	20.12	D43	CU0DM
PKF16F423	14.60	D43	CU0DM
PKF16F434	19.80	D43	CU0DM
PKF16F435	22.90	D43	CU0DM
PKF16M413	17.70	D43	CU0DM
PKF16M423	12.31	D43	CU0DM
PKF16M434	17.70	D43	CU0DM
PKF16M435	21.19	D43	CU0DM
PKF32F423	26.00	D43	CU0DM
PKF32F434	28.76	D43	CU0DM
PKF32F435	31.82	D43	CU0DM
PKF32M423	22.26	D43	CU0DM
PKF32M434	29.78	D43	CU0DM
PKF32M435	35.09	D43	CU0DM
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RE17LAMW	55.20	3-16	DU0JR
RE17LCBM	55.20	3-16	DU0JR
RE17LHBM	60.00	3-16	DU0JR
RE17LLBM	59.80	3-16	DU0JR
RE17LMBM	69.00	3-16	DU0JR
RE17RAMU	46.00	3-16	DU0JR
RE17RBMU	46.00	3-16	DU0JR
RE17RCMU	46.00	3-16	DU0JR
RE17RHMU	46.00	3-16	DU0JR
RE17RLJU	46.00	3-16	DU0JR
RE17RLMU	46.00	3-16	DU0JR
RE17RMEMU	59.80	3-16	DU0JR
RE17RMJU	55.20	3-16	DU0JR
RE17RMMU	59.80	3-16	DU0JR
RE17RMMW	64.40	3-16	DU0JR
RE17RMMWS	69.00	3-16	DU0JR
RE17RMXMU	73.00	3-16	DU0JR
RE22R2AMU	117.30	3-18	DU0JR
RM22TA31	140.00	3-13	DU0JR
RM22TA33	180.00	3-13	DU0JR
RM22TR31	180.00	3-13	DU0JR
RM22TR33	180.00	3-13	DU0JR
RM22TU21	100.00	3-13	DU0JR
RM22TU23	120.00	3-13	DU0JR
RM22TG20	90.00	3-13	DU0JR
RM22UA21MR	130.00	3-13	DU0JR
RM22UA22MR	130.00	3-13	DU0JR
RM22UA23MR	150.00	3-13	DU0JR
RM22UA31MR	200.00	3-13	DU0JR
RM22UA32MR	200.00	3-13	DU0JR
RM22UA33MR	210.00	3-13	DU0JR
RM22UA33MT	230.00	3-13	DU0JR
RM22UB34	200.00	3-13	DU0JR
RM22JA21MR	150.00	3-14	DU0JR
RM22JA31MR	150.00	3-14	DU0JR
RM35JA32MR	120.00	3-14	DU0JR
RM35JA32MT	120.00	3-14	DU0JR
RM22LG11MR	110.00	3-15	DU0JR

Reference	Price (S$)	Page	COS
RM22LG11MT	110.00	3-15	DU0JR
RM22LA32MR	210.00	3-15	DU0JR
RM22LA32MT	220.00	3-15	DU0JR
RE22R2ACMR	118.00	3-17	DU0JR
RE22R2QGMR	138.00	3-17	DU0JR
RE22R2QTMR	138.00	3-17	DU0JR
RE22R1KMR	140.00	3-17	DU0JR
RE22R2KMR	170.00	3-17	DU0JR
RE22R1QCMU	55.00	3-17	DU0JR
RE22R2QEMR	80.00	3-17	DU0JR
RE22R2QEMT	80.00	3-17	DU0JR
RE22R1AMR	100.00	3-17	DU0JR
RE22R2AMR	130.00	3-17	DU0JR
RE22R1CMR	100.00	3-17	DU0JR
RE22R2CMR	138.00	3-17	DU0JR
RE22R1ACMR	110.00	3-17	DU0JR
RE22R1AKMR	138.00	3-17	DU0JR
RE22R1DMR	85.00	3-17	DU0JR
RE22R2DMR	95.00	3-17	DU0JR
RE22R1HMR	93.00	3-17	DU0JR
RE22R2HMR	168.00	3-17	DU0JR
RE22R2MWMR	100.00	3-17	DU0JR
RE22R1MKMR	73.00	3-17	DU0JR
RE22R1MAMR	100.00	3-17	DU0JR
RE22R1MYMR	130.00	3-17	DU0JR
RE22R2MYMR	175.00	3-17	DU0JR
RE22R1MLMR	170.00	3-17	DU0JR
RE22R1QMU	85.00	3-19	DU0JR
RE22R1QMQ	85.00	3-19	DU0JR
RE22R2MMU	95.00	3-19	DU0JR
RE22R2MJU	95.00	3-19	DU0JR
RE22R2MMW	117.30	3-19	DU0JR
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REL10001	974.36	H14	HK01H
REL10010	1384.62	H14	HK01H
REL10011	1384.62	H14	HK01H
REL10012	1384.62	H14	HK01H
REL10013	1384.62	H14	HK01H
REL10020	1280.02	H14	HK01H
REL10021	1280.02	H14	HK01H
REL59802	1853.00	H7	HK01H
REL59803	1853.00	H7	HK01H
REL59804	1853.00	H7	HK01H
REL59805	1853.00	H7	HK01H
REL59806	1853.00	H7	HK01H
REL59807	1853.00	H7	HK01H
REL59808	3088.00	H7	HK01H
REL59809	3088.00	H7	HK01H
REL59810	3088.00	H7	HK01H
REL59811	3088.00	H7	HK01H
REL59812	3088.00	H7	HK01H
REL59813	3088.00	H7	HK01H
REL59814	3088.00	H7	HK01H
REL59815	3088.00	H7	HK01H
REL59816	3088.00	H7	HK01H
REL59817	1483.00	H7	HK01H
REL59818	1483.00	H7	HK01H
REL59819	1483.00	H7	HK01H
REL59820	1483.00	H7	HK01H
REXL2TMB7	45.00	3-20	DU0JR
REXL2TMBD	45.00	3-20	DU0JR
REXL2TMF7	45.00	3-20	DU0JR
REXL2TMJD	45.00	3-20	DU0JR
REXL2TMP7	45.00	3-20	DU0JR
REXL4TMB7	45.00	3-20	DU0JR
REXL4TMBD	45.00	3-20	DU0JR
REXL4TMF7	45.00	3-20	DU0JR
REXL4TMJD	45.00	3-20	DU0JR
REXL4TMP7	45.00	3-20	DU0JR
RGZE1S35M	4.00	3-2	DU0JR
RGZE1S48M	5.00	3-2	DU0JR
RGZR215	1.00	3-2	DU0JR
RHZ66	5.00	1-1	DU0JR
RM17JC00MW	150.00	3-11	DU0JR
RM17TA00	199.00	3-7	DU0JR
RM17TE00	236.00	3-7	DU0JR
RM17TG00	123.00	3-7	DU0JR
RM17TG20	134.00	3-7	DU0JR
RM17TT00	150.00	3-7	DU0JR
RM17TU00	144.00	3-7	DU0JR
RM17UAS14	115.00	3-10	DU0JR
RM17UAS15	150.00	3-10	DU0JR
RM17UAS16	150.00	3-10	DU0JR
RM17UB310	205.00	3-8	DU0JR
RM17UBE15	155.00	3-10	DU0JR
RM17UBE16	155.00	3-10	DU0JR
RM35ATL0MW	147.00	3-12	DU0JR
RM35ATR5MW	157.00	3-12	DU0JR
RM35ATW5MW	242.00	3-12	DU0JR
RM35BA10	308.00	3-12	DU0JR
RM35HZ21FM	236.00	3-11	DU0JR
RM35JA31MW	164.00	3-11	DU0JR
RM35JA32MW	205.00	3-11	DU0JR
RM35LM33MW	123.00	3-9	DU0JR
RM35LV14MW	155.00	3-9	DU0JR
RM35S0MW	232.00	3-9	DU0JR
RM35TF30	298.00	3-7	DU0JR
RM35TM250MW	245.00	3-12	DU0JR
RM35TM50MW	232.00	3-12	DU0JR
RM35UA11MW	171.00	3-10	DU0JR
RM35UA12MW	171.00	3-10	DU0JR
RM35UA13MW	171.00	3-10	DU0JR
RM35UB330	257.00	3-8	DU0JR
RM35UB3N30	277.00	3-8	DU0JR
RPM11B7	7.00	3-6	DU0JR
RPM11BD	7.00	3-6	DU0JR
RPM11E7	7.00	3-6	DU0JR
RPM11ED	7.00	3-6	DU0JR
RPM11F7	7.00	3-6	DU0JR
RPM11FD	7.00	3-6	DU0JR
RPM11JD	7.00	3-6	DU0JR
RPM11P7	7.00	3-6	DU0JR
RPM12B7	11.00	3-6	DU0JR
RPM12BD	11.00	3-6	DU0JR
RPM12E7	11.00	3-6	DU0JR
RPM12ED	11.00	3-6	DU0JR
RPM12F7	11.00	3-6	DU0JR
RPM12FD	11.00	3-6	DU0JR
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RPM12P7	11.00	3-6	DU0JR
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RPM21BD	13.00	3-6	DU0JR
RPM21E7	13.00	3-6	DU0JR
RPM21ED	13.00	3-6	DU0JR
RPM21F7	13.00	3-6	DU0JR
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RPM21JD	13.00	3-6	DU0JR
RPM21P7	13.00	3-6	DU0JR
RPM22B7	15.00	3-6	DU0JR
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RPM22E7	15.00	3-6	DU0JR
RPM22ED	15.00	3-6	DU0JR
RPM22F7	15.00	3-6	DU0JR
RPM22FD	15.00	3-6	DU0JR
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RPM22P7	15.00	3-6	DU0JR
RPM31B7	15.00	3-6	DU0JR
RPM31BD	15.00	3-6	DU0JR
RPM31E7	15.00	3-6	DU0JR
RPM31ED	15.00	3-6	DU0JR
RPM31F7	15.00	3-6	DU0JR
RPM31FD	15.00	3-6	DU0JR
RPM31JD	15.00	3-6	DU0JR
RPM31P7	15.00	3-6	DU0JR
RPM32B7	17.00	3-6	DU0JR
RPM32BD	17.00	3-6	DU0JR
RPM32E7	17.00	3-6	DU0JR
RPM32ED	17.00	3-6	DU0JR
RPM32F7	17.00	3-6	DU0JR
RPM32FD	17.00	3-6	DU0JR
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RPM32P7	17.00	3-6	DU0JR
RPM41B7	19.00	3-6	DU0JR
RPM41BD	19.00	3-6	DU0JR
RPM41E7	19.00	3-6	DU0JR
RPM41ED	19.00	3-6	DU0JR
RPM41F7	19.00	3-6	DU0JR
RPM41FD	19.00	3-6	DU0JR
RPM41JD	19.00	3-6	DU0JR
RPM41P7	19.00	3-6	DU0JR
RPM42B7	22.00	3-6	DU0JR
RPM42BD	22.00	3-6	DU0JR
RPM42E7	22.00	3-6	DU0JR
RPM42ED	22.00	3-6	DU0JR
RPM42F7	22.00	3-6	DU0JR
RPM42FD	22.00	3-6	DU0JR
RPM42JD	22.00	3-6	DU0JR
RPM42P7	22.00	3-6	DU0JR
RPZF1	8.00	3-6	DU0JR
RPZF2	11.00	3-6	DU0JR
RPZF3	13.00	3-6	DU0JR

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RPZF4	13.00	3-6	DU0JR
RSB1A160U7	16.00	3-1	DU0JR
RSB1A160RD	16.00	3-1	DU0JR
RSB1A160P7	16.00	3-1	DU0JR
RSB1A160ND	16.00	3-1	DU0JR
RSB1A160M7	16.00	3-1	DU0JR
RSB1A160JD	16.00	3-1	DU0JR
RSB1A160FD	16.00	3-1	DU0JR
RSB1A160F7	16.00	3-1	DU0JR
RSB1A160ED	16.00	3-1	DU0JR
RSB1A160E7	16.00	3-1	DU0JR
RSB1A160BD	16.00	3-1	DU0JR
RSB1A160B7	16.00	3-1	DU0JR
RSB1A120U7	16.00	3-1	DU0JR
RSB1A120RD	16.00	3-1	DU0JR
RSB1A120P7	16.00	3-1	DU0JR
RSB1A120ND	16.00	3-1	DU0JR
RSB1A120M7	16.00	3-1	DU0JR
RSB1A120JD	16.00	3-1	DU0JR
RSB1A120FD	16.00	3-1	DU0JR
RSB1A120F7	16.00	3-1	DU0JR
RSB1A120ED	16.00	3-1	DU0JR
RSB1A120E7	16.00	3-1	DU0JR
RSB1A120BD	16.00	3-1	DU0JR
RSB1A120B7	16.00	3-1	DU0JR
RSB2A080B7	16.00	3-1	DU0JR
RSB2A080BD	16.00	3-1	DU0JR
RSB2A080E7	16.00	3-1	DU0JR
RSB2A080ED	16.00	3-1	DU0JR
RSB2A080F7	16.00	3-1	DU0JR
RSB2A080FD	16.00	3-1	DU0JR
RSB2A080JD	16.00	3-1	DU0JR
RSB2A080M7	16.00	3-1	DU0JR
RSB2A080ND	16.00	3-1	DU0JR
RSB2A080P7	16.00	3-1	DU0JR
RSB2A080RD	16.00	3-1	DU0JR
RSB2A080U7	16.00	3-1	DU0JR
RSZE1S35M	12.00	3-1	DU0JR
RSZE1S48M	12.00	3-1	DU0JR
RSZL300	1.00	3-1, 3-2	DU0JR
RSZR215	1.00	3-1, 3-2	DU0JR
RUMC21B7	13.00	3-5	DU0JR
RUMC21BD	13.00	3-5	DU0JR
RUMC21E7	13.00	3-5	DU0JR
RUMC21ED	13.00	3-5	DU0JR
RUMC21F7	13.00	3-5	DU0JR
RUMC21FD	13.00	3-5	DU0JR
RUMC21JD	13.00	3-5	DU0JR
RUMC21P7	13.00	3-5	DU0JR
RUMC22B7	18.00	3-5	DU0JR
RUMC22BD	18.00	3-5	DU0JR
RUMC22E7	18.00	3-5	DU0JR
RUMC22ED	18.00	3-5	DU0JR
RUMC22F7	18.00	3-5	DU0JR
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RUMC22JD	18.00	3-5	DU0JR
RUMC22P7	18.00	3-5	DU0JR
RUMC31B7	16.00	3-5	DU0JR
RUMC31BD	16.00	3-5	DU0JR
RUMC31E7	16.00	3-5	DU0JR
RUMC31ED	16.00	3-5	DU0JR
RUMC31F7	16.00	3-5	DU0JR
RUMC31FD	16.00	3-5	DU0JR
RUMC31GD	16.00	3-5	DU0JR
RUMC31JD	16.00	3-5	DU0JR
RUMC31MD	16.00	3-5	DU0JR
RUMC31ND	16.00	3-5	DU0JR
RUMC31P7	16.00	3-5	DU0JR
RUMC32B7	22.00	3-5	DU0JR
RUMC32BD	22.00	3-5	DU0JR
RUMC32E7	22.00	3-5	DU0JR
RUMC32ED	22.00	3-5	DU0JR
RUMC32F7	22.00	3-5	DU0JR
RUMC32FD	22.00	3-5	DU0JR
RUMC32GD	22.00	3-5	DU0JR
RUMC32JD	22.00	3-5	DU0JR
RUMC32ND	22.00	3-5	DU0JR
RUMC32P7	22.00	3-5	DU0JR
RUW101MW	191.00	3-5	DU0JR
RUW240BD	4.00	3-6	DU0JR
RUZC200	3.00	3-5	DU0JR
RUZC2M	5.00	3-5	DU0JR
RUZC3M	7.00	3-5	DU0JR
RUZL420	3.00	3-5	DU0JR
RUZS2	9.00	3-5	DU0JR
RUZSC2M	9.00	3-5	DU0JR
RUZSC3M	11.00	3-5	DU0JR
RUZSF3M	12.00	3-5	DU0JR
RXG12B7	11.60	3-2	DU0JR
RXG12BD	12.00	3-2	DU0JR
RXG12F7	11.60	3-2	DU0JR
RXG12FD	12.00	3-2	DU0JR
RXG12JD	12.00	3-2	DU0JR
RXG12P7	11.60	3-2	DU0JR
RXG13B7	10.60	3-2	DU0JR
RXG13BD	11.00	3-2	DU0JR
RXG13F7	10.60	3-2	DU0JR
RXG13FD	11.00	3-2	DU0JR
RXG13JD	11.00	3-2	DU0JR
RXG13P7	10.60	3-2	DU0JR
RXG15B7	8.00	3-2	DU0JR
RXG15BD	8.40	3-2	DU0JR
RXG15F7	8.00	3-2	DU0JR
RXG15FD	8.40	3-2	DU0JR
RXG15JD	8.40	3-2	DU0JR
RXG15P7	8.00	3-2	DU0JR
RXG22B7	13.00	3-2	DU0JR
RXG22BD	13.40	3-2	DU0JR
RXG22F7	13.00	3-2	DU0JR
RXG22FD	13.40	3-2	DU0JR
RXG22JD	13.40	3-2	DU0JR
RXG22P7	13.00	3-2	DU0JR
RXG23B7	12.40	3-2	DU0JR
RXG23BD	12.60	3-2	DU0JR
RXG23F7	12.40	3-2	DU0JR
RXG23FD	12.60	3-2	DU0JR
RXG23JD	12.60	3-2	DU0JR
RXG23P7	12.40	3-2	DU0JR
RXG25B7	9.00	3-2	DU0JR
RXG25BD	9.20	3-2	DU0JR
RXG25F7	9.00	3-2	DU0JR
RXG25FD	9.20	3-2	DU0JR
RXG25JD	9.20	3-2	DU0JR
RXG25P7	9.00	3-2	DU0JR
RXM021BN	5.00	3-3	DU0JR
RXM021FP	7.00	3-3	DU0JR
RXM021RB	5.00	3-3	DU0JR
RXM040W	4.00	3-3, 3-6	DU0JR
RXM041BN7	5.00	3-3	DU0JR
RXM041FU7	5.00	3-3	DU0JR
RXM2AB1B7	7.00	3-3	DU0JR
RXM2AB1BD	7.00	3-3	DU0JR
RXM2AB1E7	7.00	3-3	DU0JR
RXM2AB1ED	7.00	3-3	DU0JR
RXM2AB1F7	7.00	3-3	DU0JR
RXM2AB1FD	7.00	3-3	DU0JR
RXM2AB1JD	7.00	3-3	DU0JR
RXM2AB1P7	7.00	3-3	DU0JR
RXM2AB2B7	9.00	3-3	DU0JR
RXM2AB2BD	9.00	3-3	DU0JR
RXM2AB2E7	9.00	3-3	DU0JR
RXM2AB2ED	9.00	3-3	DU0JR
RXM2AB2F7	9.00	3-3	DU0JR
RXM2AB2FD	9.00	3-3	DU0JR
RXM2AB2JD	9.00	3-3	DU0JR
RXM2AB2P7	9.00	3-3	DU0JR
RXM2LB1B7	5.00	3-4	DU0JR
RXM2LB1BD	5.10	3-4	DU0JR
RXM2LB1ED	5.10	3-4	DU0JR
RXM2LB1F7	5.00	3-4	DU0JR
RXM2LB1JD	5.10	3-4	DU0JR
RXM2LB1P7	5.00	3-4	DU0JR
RXM2LB2B7	8.00	3-4	DU0JR
RXM2LB2BD	8.20	3-4	DU0JR
RXM2LB2CD	8.20	3-4	DU0JR
RXM2LB2ED	8.20	3-4	DU0JR
RXM2LB2F7	8.00	3-4	DU0JR
RXM2LB2FD	8.20	3-4	DU0JR
RXM2LB2JD	8.20	3-4	DU0JR
RXM2LB2P7	8.00	3-4	DU0JR
RXM3AB1B7	8.00	3-3	DU0JR
RXM3AB1BD	8.00	3-3	DU0JR
RXM3AB1E7	8.00	3-3	DU0JR
RXM3AB1ED	8.00	3-3	DU0JR
RXM3AB1F7	8.00	3-3	DU0JR
RXM3AB1FD	8.00	3-3	DU0JR
RXM3AB1JD	8.00	3-3	DU0JR
RXM3AB1P7	8.00	3-3	DU0JR
RXM3AB2B7	11.00	3-3	DU0JR
RXM3AB2BD	11.00	3-3	DU0JR
RXM3AB2E7	11.00	3-3	DU0JR

Reference	Price (S$)	Page	COS
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RXM3AB2F7	11.00	3-3	DU0JR
RXM3AB2FD	11.00	3-3	DU0JR
RXM3AB2JD	11.00	3-3	DU0JR
RXM3AB2P7	11.00	3-3	DU0JR
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RXM4AB1BD	9.00	3-3	DU0JR
RXM4AB1E7	9.00	3-3	DU0JR
RXM4AB1ED	9.00	3-3	DU0JR
RXM4AB1F7	9.00	3-3	DU0JR
RXM4AB1FD	9.00	3-3	DU0JR
RXM4AB1JD	9.00	3-3	DU0JR
RXM4AB1MD	9.00	3-3	DU0JR
RXM4AB1P7	9.00	3-3	DU0JR
RXM4AB1U7	9.00	3-3	DU0JR
RXM4AB2B7	13.00	3-3	DU0JR
RXM4AB2BD	13.00	3-3	DU0JR
RXM4AB2E7	13.00	3-3	DU0JR
RXM4AB2ED	13.00	3-3	DU0JR
RXM4AB2F7	13.00	3-3	DU0JR
RXM4AB2FD	13.00	3-3	DU0JR
RXM4AB2GD	13.00	3-3	DU0JR
RXM4AB2JD	13.00	3-3	DU0JR
RXM4AB2P7	13.00	3-3	DU0JR
RXM4LB1B7	7.00	3-4	DU0JR
RXM4LB1BD	7.20	3-4	DU0JR
RXM4LB1ED	7.20	3-4	DU0JR
RXM4LB1F7	7.00	3-4	DU0JR
RXM4LB1JD	7.20	3-4	DU0JR
RXM4LB1P7	7.00	3-4	DU0JR
RXM4LB2B7	10.00	3-4	DU0JR
RXM4LB2BD	10.20	3-4	DU0JR
RXM4LB2CD	10.20	3-4	DU0JR
RXM4LB2ED	10.20	3-4	DU0JR
RXM4LB2F7	10.00	3-4	DU0JR
RXM4LB2FD	10.20	3-4	DU0JR
RXM4LB2JD	10.20	3-4	DU0JR
RXM4LB2P7	10.00	3-4	DU0JR
RXZ400	11.00	3-3	DU0JR
RXZ420	6.00	3-4	DU0JR
RXZ430	6.00	3-4	DU0JR
RXZE1M2C	3.10	3-4	DU0JR
RXZE1M4C	3.70	3-4	DU0JR
RXZE2DA	3.00	3-3	DU0JR
RXZE2FA	3.00	3-3	DU0JR
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RXZE2M114M	6.00	3-20, 3-3	DU0JR
RXZE2S108M	4.00	3-20, 3-3	DU0JR
RXZE2S111M	6.00	3-3	DU0JR
RXZE2S114M	6.00	3-20, 3-3	DU0JR
RXZL420	20.00	3-3	DU0JR
RXZL520	16.00	3-3, 3-5	DU0JR
RXZR335	80.00	3-3	DU0JR
RXZS2	1.00	3-3	DU0JR
RZM021BN	12.00	3-1	DU0JR
RZM021FP	12.00	3-1	DU0JR
RZM021RB	12.00	3-1	DU0JR
RZM031BN	7.00	3-1	DU0JR
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RZM031RB	7.00	3-1	DU0JR
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RZM041FU7	4.00	3-1	DU0JR
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SEA9250SPEV	75.20	D32	CU0DF
SEA9BINCKIT	657.30	D32	CU0DF
SEA9BN12PEV	1055.70	D32	CU0DF
SEA9BN12TNA	908.80	D32	CU0DF
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SEA9BN16TNA	1259.70	D32	CU0DF
SEA9BN18PEV	1430.00	D32	CU0DF
SEA9BN18TNA	1269.90	D32	CU0DF
SEA9BN24PEV	1446.40	D32	CU0DF
SEA9BN24TNA	1297.40	D32	CU0DF
SEA9BN4PEV	553.90	D32	CU0DF
SEA9BN4TNA	484.50	D32	CU0DF
SEA9BN6PEV	718.10	D32	CU0DF
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SEA9BN8PEV	882.30	D32	CU0DF
SEA9BN8TNA	731.30	D32	CU0DF
SEA9BNWL	76.20	D32	CU0DF
SEA9BP	39.20	D32	CU0DF
SEA9BP25	102.00	D32	CU0DF
SEA9BP5	38.10	D32	CU0DF
SEA9NB12	265.20	D32	CU0DF
SEA9NB16	348.80	D32	CU0DF
SEA9NB24	361.10	D32	CU0DF
SEA9NB4	213.20	D32	CU0DF
SEA9NB6	229.50	D32	CU0DF
SEA9NB8	237.70	D32	CU0DF
SEA9NKIT	132.60	D32	CU0DF
SEA9NPB250TB	156.60	D32	CU0DF
SEA9TB1001	45.30	D32	CU0DF
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SP-59600-G40-8-9-6	4250.00	H9	HK01H
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SP-59604-S42-8-0-6	8820.00	H10	HK01H
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SP-59703-G82-8-9	11200.00	H11	HK01H
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SP-59703-M81-8-0	7320.00	H11	HK01H
SP-59703-M81-8-9	7320.00	H11	HK01H
SP-59703-M87-8-0	13800.00	H12	HK01H
SP-59703-M87-8-9	13800.00	H12	HK01H
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SP-59703-T81-8-9	9750.00	H12	HK01H
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SP-59703-T87-8-9	13800.00	H12	HK01H
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SP-59704-G82-8-9	12350.00	H12	HK01H
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SP-59704-G87-8-9	15470.00	H12	HK01H
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SP-59704-S80-8-0	8520.00	H12	HK01H
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SP-59704-S81-8-0	9120.00	H12	HK01H
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SP-59704-T81-8-0	11300.00	H12	HK01H
SP-59704-T81-8-9	11300.00	H12	HK01H
SP-59704-T82-8-0	12350.00	H12	HK01H
SP-59704-T82-8-9	12350.00	H12	HK01H
SP-59704-T87-8-0	15470.00	H12	HK01H
SP-59704-T87-8-9	15470.00	H12	HK01H
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SR2A101FU	224.40	3-18	DU134
SR2A201BD	291.00	3-18	DU134
SR2A201FU	291.00	3-18	DU134
SR2B121B	251.10	3-18	DU134
SR2B121BD	251.10	3-18	DU134
SR2B121FU	251.10	3-18	DU134
SR2B121JD	247.00	3-18	DU134
SR2B122BD	279.00	3-18	DU134
SR2B201B	330.00	3-18	DU134
SR2B201BD	330.00	3-18	DU134
SR2B201FU	330.00	3-18	DU134
SR2B201JD	330.00	3-18	DU134
SR2B202BD	378.00	3-18	DU134
SR2CBL01	119.90	3-22, 3-24	DU134
SR2CBL06	249.00	3-22	DU134
SR2CBL08	74.00	3-22	DU134
SR2COM01	301.30	3-22	DU134
SR2D101BD	186.50	3-18	DU134
SR2D101FU	186.50	3-18	DU134
SR2D201BD	264.40	3-18	DU134
SR2D201FU	264.40	3-18	DU134
SR2E121B	222.40	3-18	DU134
SR2E121BD	222.40	3-18	DU134
SR2E121FU	222.40	3-18	DU134
SR2E201B	265.40	3-18	DU134
SR2E201BD	265.40	3-18	DU134
SR2E201FU	265.40	3-18	DU134
SR2MEM01	60.50	3-22	DU134
SR2MEM02	35.90	3-22, 3-24	DU134
SR2PACK2BD	451.90	3-18	DU134
SR2PACK2FU	451.90	3-18	DU134
SR2PACKBD	376.10	3-18	DU134
SR2PACKFU	380.20	3-18	DU134
SR2SFT01	54.40	3-22	DU134
SR2USB01	167.10	3-22, 3-24	DU134
SR3B101B	254.20	3-21	DU134
SR3B101BD	254.20	3-21	DU134
SR3B101FU	254.20	3-21	DU134
SR3B102BD	254.20	3-21	DU134
SR3B261B	358.70	3-21	DU134
SR3B261BD	358.70	3-21	DU134
SR3B261FU	358.70	3-21	DU134
SR3B262BD	421.20	3-21	DU134
SR3MBU01BD	171.20	3-21	DU134
SR3PACK2BD	527.70	3-21	DU134
SR3PACK2FU	527.70	3-21	DU134
SR3PACKBD	349.40	3-21	DU134
SR3PACKFU	349.40	3-21	DU134
SR3XT101B	123.00	3-21	DU134
SR3XT101BD	121.00	3-21	DU134
SR3XT101FU	121.00	3-21	DU134
SR3XT141B	135.30	3-21	DU134
SR3XT141BD	132.20	3-21	DU134
SR3XT141FU	132.20	3-21	DU134
SR3XT61B	107.00	3-21	DU134
SR3XT61BD	97.40	3-21	DU134
SR3XT61FU	97.40	3-21	DU134
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TCSMCNAM3M002P	82.00	1-4,1-46	FA
TCSWAAC13FB	204.00	1-36	EN
TRV00121	639.10	A5, A17	CN0A3
TRV00121	639.10	B47	CN0A3
TRV00128	29.70	B47	CN0A3
TRV00210	430.20	A5, A17	CN0A3
TRV00210	430.20	B47	CN0A3
TRV00217	430.20	B47	CN0A3
TRV00803	112.40	B47	CN0A3
TRV00806	154.00	B47	CN0A3
TRV00810	102.00	B47	CN0A3
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TRV00820	167.50	B47	CN0A3
TRV00830	204.90	B47	CN0A3
TRV00850	65.60	A5, A17	CN0A3
TRV00850	65.60	B47	CN0A3
TRV00870	97.80	B47	CN0A3
TRV00880	57.20	A5, A17	CN0A3
TSXCANCA100	775.00	1-17	EN
TSXCANCA300	2133.00	1-17	EN
TSXCANCA50	409.00	1-17	EN
TSXCANCD100	1318.00	1-17	EN
TSXCANCD300	3555.00	1-17	EN
TSXCANCD50	696.00	1-17	EN
TSXCANKCDF180T	98.00	1-30	EN
TSXCDP203	39.00	G43	EN
TSXCDP301	39.00	G43	EN
TSXCDP303	48.00	G43	EN
TSXCDP501	55.00	G43	EN
TSXCDP503	64.00	G43	EN
TSXCUSB485	325.00	2-41	EN
TSXETG100	1350.00	1-17	EN
TSXFPACC12	111.00	G45	EN
TSXSCA50	249.00	1-16	EN
TSXSCA62	270.00	1-16	EN
V			
VJDSNDTGSV62M	1100.00	2-38	EV
VJDSNDTMSV13M	386.00	2-40	EV
VJDSUDTGAV62M	1400.00	2-38	EV
VJDSUDTMSV13M	744.90	2-40	EV
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VZ1L018UM20	356.00	1-19	FA
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XB5AVG4	17.00	2-8	DN
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XB5AW33M5	30.00	2-5	DN
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XB5AW34M5	30.00	2-5	DN
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XB5AW35M5	30.00	2-5	DN
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XB5EVM6	18.70	2-9	DN
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XB6CW4B5B	32.00	2-10	DN
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XB6DA15B	25.00	2-12	DN

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XB6DF4B5B	38.00	2-11	DN
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XB6DV4BB	18.50	2-11	DN
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XB6DW1B5B	31.00	2-10	DN
XB6DW3B1B	29.00	2-10	DN
XB6DW3B5B	31.00	2-10	DN
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XB6DW4B5B	31.00	2-10	DN
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XBLYN01	21.00	2-39	EV
XBLYR00	88.00	2-40	EV
XBLYR01	88.00	2-40	EV
XBTN200	406.00	2-39	EV
XBTN400	481.00	2-39	EV
XBTN401	682.00	2-39	EV
XBTN410	536.00	2-39	EV
XBTNU400	510.00	G42	EV
XBTNU400	510.00	2-39, G42	EV

Reference	Price (S$)	Page	COS
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XBTR410	530.00	2-40	EV
XBTR411	751.00	2-40	EV
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XBTZ3004	84.00	2-41	EV
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XBTZ925	52.00	2-41	EV
XBTZ926	82.00	2-39, 2-41	EV
XBTZ938	60.00	G42	EV
XBTZ938	60.00	2-41, G42	EV
XBTZ945	93.00	2-41	EV
XBTZ968	290.00	2-41	EV
XBTZ9680	168.00	2-41	EV
XBTZ9681	260.00	2-41	EV
XBTZ9710	157.00	2-43	EV
XBTZ9711	150.00	2-41, 2-43	EV
XBTZ9780	200.00	2-39, 2-41, 2-43	EV
XBTZ9980	101.00	2-41, 2-43	EV
XBTZ9982	116.30	2-43	EV
XBTZG935	566.00	2-41	EV
XBTZGPWS1	63.00	2-41	EV
XBTZN01	103.00	2-39	EV
XBTZN02	59.00	2-39	EV
XBTZN999	18.00	2-39	EV
XBTZNCO	109.00	2-39	EV
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XBTZRCO	220.00	2-40	EV
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XCKJ110559	100.00	4-45	EA
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XCKML121	168.30	4-44	EA
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XCKMR54D2H29	564.80	4-46	EA
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XCKN2106P20	51.30	4-43	EA
XCKN2108P20	56.10	4-43	EA
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XCKN2145P20	55.10	4-43	EA
XCKN2149P20	98.90	4-43	EA
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XCKP2110P16	51.00	4-32	EA
XCKP2111M12	75.50	4-33	EA
XCKP2111P16	61.20	4-32	EA
XCKP2118M12	75.50	4-33	EA
XCKP2118P16	61.20	4-32	EA
XCKP2121M12	77.50	4-33	EA
XCKP2121P16	63.30	4-32	EA
XCKP2127M12	77.50	4-33	EA
XCKP2127P16	63.30	4-32	EA
XCKP2128M12	81.60	4-33	EA
XCKP2128P16	66.30	4-32	EA
XCKP2139M12	128.50	4-33	EA
XCKP2139P16	105.10	4-32	EA
XCKP2145M12	103.00	4-33	EA
XCKP2145P16	79.60	4-32	EA
XCKP2149M12	180.40	4-33	EA
XCKP2149P16	141.80	4-32	EA
XCKP21H0M12	107.10	4-33	EA
XCKP21H0P16	85.70	4-32	EA
XCKP21H2M12	177.50	4-33	EA
XCKP21H2P16	139.70	4-32	EA
XCKP2502P16	68.30	4-32	EA
XCKP2506P16	85.70	4-32	EA
XCKP2510P16	55.10	4-32	EA
XCKP2511P16	65.30	4-32	EA
XCKP2518P16	65.30	4-32	EA
XCKP2521P16	66.30	4-32	EA
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XCKP2528P16	70.40	4-32	EA

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XCKP2545P16	93.80	4-32	EA
XCKP2549P16	158.10	4-32	EA
XCKP25H0P16	97.90	4-32	EA
XCKP25H2P16	142.80	4-32	EA
XCKS101	50.30	4-45	EA
XCKS102	62.20	4-45	EA
XCKS131	69.70	4-45	EA
XCKS139	109.10	4-45	EA
XCKS141	79.00	4-45	EA
XCKS149	61.50	4-45	EA
XCKS159	79.60	4-45	EA
XCKT2102P16	79.60	4-36	EA
XCKT2106P16	94.90	4-36	EA
XCKT2110P16	67.40	4-36	EA
XCKT2111P16	76.50	4-36	EA
XCKT2118P16	76.50	4-36	EA
XCKT2121P16	77.90	4-36	EA
XCKT2139P16	152.00	4-36	EA
XCKT2145P16	102.00	4-36	EA
XCKT21H0P16	105.10	4-36	EA
XCKT21H2P16	146.90	4-36	EA
XCMD2102C12	148.70	4-28	EA
XCMD2102L1	114.80	4-27	EA
XCMD2102M12	148.70	4-28	EA
XCMD2106C12	168.30	4-28	EA
XCMD2106L1	129.50	4-27	EA
XCMD2106M12	168.30	4-28	EA
XCMD2110C12	132.60	4-28	EA
XCMD2110L1	102.50	4-27	EA
XCMD2110M12	132.60	4-28	EA
XCMD2111C12	143.80	4-28	EA
XCMD2111L1	111.80	4-27	EA
XCMD2111M12	143.80	4-28	EA
XCMD2115C12	143.80	4-28	EA
XCMD2115L1	111.80	4-27	EA
XCMD2115M12	143.80	4-28	EA
XCMD2116C12	164.20	4-28	EA
XCMD2116L1	127.10	4-27	EA
XCMD2116M12	164.20	4-28	EA
XCMD2117C12	162.20	4-28	EA
XCMD2117L1	125.10	4-27	EA
XCMD2117M12	162.20	4-28	EA
XCMD2124C12	156.10	4-28	EA
XCMD2124L1	120.40	4-27	EA
XCMD2124M12	156.10	4-28	EA
XCMD2145C12	177.50	4-28	EA
XCMD2145L1	137.40	4-27	EA
XCMD2145M12	177.50	4-28	EA
XCMD21F0C12	168.30	4-28	EA
XCMD21F0M12	168.30	4-28	EA
XCMD21F2C12	209.10	4-28	EA
XCMD21F2L1	162.00	4-27	EA
XCMD21F2M12	209.10	4-28	EA
XCMD21G1C12	187.70	4-28	EA
XCMD21G1M12	187.70	4-28	EA
XCMD2502L1	127.50	4-27	EA
XCMD2506L1	142.80	4-27	EA
XCMD2510L1	115.30	4-27	EA
XCMD2511L1	125.10	4-27	EA
XCMD2515L1	125.10	4-27	EA
XCMD2516L1	139.70	4-27	EA
XCMD2517L1	138.70	4-27	EA
XCMD2524L1	133.60	4-27	EA
XCMD2545L1	151.70	4-27	EA
XCMD25F0L1	142.80	4-27	EA
XCMD25F2L1	174.40	4-27	EA
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XCMN2103L1	90.20	4-31	EA
XCMN2106L1	115.30	4-31	EA
XCMN2107L1	105.10	4-31	EA
XCMN2110L1	80.00	4-31	EA
XCMN2115L1	87.20	4-31	EA
XCMN2121L1	112.80	4-31	EA
XCMN2145L1	120.00	4-31	EA
XCMN2159L1	98.90	4-31	EA
XCMN21F0L1	103.60	4-31	EA
XCMN21F2L1	128.50	4-31	EA
XCMN21F3L1	128.50	4-31	EA
XCPR2102G13	67.30	4-40	EA
XCPR2102P20	67.30	4-40	EA
XCPR2110G13	56.10	4-40	EA
XCPR2110P20	56.10	4-40	EA
XCPR2118G13	62.20	4-40	EA
XCPR2118P20	62.20	4-40	EA
XCPR2119G13	70.40	4-40	EA
XCPR2119P20	70.40	4-40	EA
XCPR2121G13	68.30	4-40	EA
XCPR2121P20	68.30	4-40	EA
XCPR2127G13	68.30	4-40	EA
XCPR2127P20	68.30	4-40	EA
XCPR2502G13	77.50	4-40	EA
XCPR2502P20	77.50	4-40	EA
XCPR2510G13	65.30	4-40	EA
XCPR2510P20	65.30	4-40	EA
XCPR2518G13	73.40	4-40	EA
XCPR2518P20	73.40	4-40	EA
XCPR2519G13	82.60	4-40	EA
XCPR2519P20	82.60	4-40	EA
XCPR2521G13	80.60	4-40	EA
XCPR2521P20	80.60	4-40	EA
XCPR2527G13	80.60	4-40	EA
XCPR2527P20	80.60	4-40	EA
XCRA11	280.50	4-46	EA
XCRA12	377.40	4-46	EA
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XCRE58	359.00	4-46	EA
XCRF17	260.40	4-46	EA
XCRF57	359.00	4-46	EA
XCRZ02	36.90	4-46	EA
XCRZ03	7.20	4-46	EA
XCRZ05	56.10	4-46	EA
XCRZ09	120.40	4-46	EA
XCRZ12	137.70	4-46	EA
XCRZ15	141.80	4-46	EA
XCSA501	105.60	5-1	EG
XCSA511	131.60	5-1	EG
XCSA701	107.70	5-1	EG
XCSA711	131.60	5-1	EG
XCSA721	131.60	5-1	EG
XCSA801	105.60	5-1	EG
XCSB501	166.10	5-1	EG
XCSB511	206.00	5-1	EG
XCSB521	206.00	5-1	EG
XCSB701	166.10	5-1	EG
XCSB711	206.00	5-1	EG
XCSB721	206.00	5-1	EG
XCSB801	166.10	5-1	EG
XCSC501	166.10	5-1	EG
XCSC511	206.00	5-1	EG
XCSC521	206.00	5-1	EG
XCSC701	166.10	5-1	EG
XCSC711	206.00	5-1	EG
XCSC721	206.00	5-1	EG
XCSC801	166.10	5-1	EG
XCSE5311	399.80	5-1	EG
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XCSE5331	431.60	5-1	EG
XCSE5341	431.60	5-1	EG
XCSE7311	399.80	5-1	EG
XCSE7321	399.80	5-1	EG
XCSE7331	431.60	5-1	EG
XCSE7341	431.60	5-1	EG
XCSE8311	399.80	5-1	EG
XCSE8321	399.80	5-1	EG
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XCSE8341	431.60	5-1	EG
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XCSM3710L1	197.90	5-4	EG
XCSM3715L1	218.30	5-4	EG
XCSM3716L1	228.50	5-4	EG
XCSM3902L1	195.80	5-4	EG
XCSM3910L1	177.50	5-4	EG
XCSM3915L1	195.80	5-4	EG
XCSM3916L1	205.00	5-4	EG
XCSM4102L1	242.80	5-4	EG
XCSM4110L1	220.30	5-4	EG
XCSM4115L1	242.80	5-4	EG
XCSM4116L1	254.00	5-4	EG
XCSPA591	58.50	5-2	EG

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XCSPA691	58.50	5-2	EG
XCSPA791	58.50	5-2	EG
XCSPL551	69.40	5-3	EG
XCSPL561	69.40	5-3	EG
XCSPL571	75.50	5-3	EG
XCSPL581	75.50	5-3	EG
XCSPL591	75.50	5-3	EG
XCSPL751	69.40	5-3	EG
XCSPL761	69.40	5-3	EG
XCSPL771	75.50	5-3	EG
XCSPL781	75.50	5-3	EG
XCSPL791	75.50	5-3	EG
XCSPR551	77.50	5-3	EG
XCSPR751	77.50	5-3	EG
XCSTA591	66.70	5-2	EG
XCSTA791	66.70	5-2	EG
XCSTA891	66.70	5-2	EG
XCSTE5311	260.40	5-2	EG
XCSTE5331	279.50	5-2	EG
XCSTE5341	279.50	5-2	EG
XCSTE6311	260.40	5-2	EG
XCSTE6331	279.50	5-2	EG
XCSTE6341	279.50	5-2	EG
XCSTE7311	260.40	5-2	EG
XCSTE7331	279.50	5-2	EG
XCSTE7341	279.50	5-2	EG
XCSTL551	71.40	5-3	EG
XCSTL561	71.40	5-3	EG
XCSTL571	77.50	5-3	EG
XCSTL581	77.50	5-3	EG
XCSTL591	77.50	5-3	EG
XCSTL751	71.40	5-3	EG
XCSTL761	71.40	5-3	EG
XCSTL771	77.50	5-3	EG
XCSTL781	77.50	5-3	EG
XCSTL791	77.50	5-3	EG
XCSTL851	71.40	5-3	EG
XCSTL861	71.40	5-3	EG
XCSTL871	77.50	5-3	EG
XCSTL881	77.50	5-3	EG
XCSTL891	77.50	5-3	EG
XCSTR551	87.70	5-3	EG
XCSTR751	87.70	5-3	EG
XCSTR851	87.70	5-3	EG
XCSZ01	12.30	5-1	EG
XCSZ02	12.30	5-1	EG
XCSZ03	28.70	5-1	EG
XCSZ05	275.80	5-1	EG
XCSZ100	3.10	5-2	EG
XCSZ11	10.30	5-2	EG
XCSZ12	10.30	5-2	EG
XCSZ13	19.50	5-2	EG
XCSZ14	10.30	5-2	EG
XCSZ15	12.70	5-2	EG
XCSZ21	15.40	5-2	EG
XCSZ28	52.00	5-2	EG
XCSZ91	104.00	5-2	EG
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XCTR2110G11	56.10	4-42	EA
XCTR2110P16	56.10	4-42	EA
XCTR2118G11	62.20	4-42	EA
XCTR2118P16	62.20	4-42	EA
XCTR2121G11	68.70	4-42	EA
XCTR2121P16	68.70	4-42	EA
XCTR2502G11	77.50	4-42	EA
XCTR2502P16	77.50	4-42	EA
XCTR2510G11	65.30	4-42	EA
XCTR2510P16	65.30	4-42	EA
XCTR2518G11	73.80	4-42	EA
XCTR2518P16	73.80	4-42	EA
XCTR2521G11	80.60	4-42	EA
XCTR2521P16	80.60	4-42	EA
XE2NP2131	25.70	4-39	EA
XE2NP2141	25.70	4-39	EA
XE2NP2151	25.70	4-39	EA
XE2NP2161	25.70	4-39	EA
XE2NP3131	26.50	4-39	EA
XE2NP3141	26.50	4-39	EA
XE2NP3151	26.50	4-39	EA
XE2NP3161	26.50	4-39	EA
XE2SP2141	25.70	4-39	EA
XE2SP2151	22.50	4-39	EA
XE2SP3151	23.50	4-39	EA
XE3NP2141	37.80	4-39	EA
XE3NP2151	37.80	4-39	EA
XE3SP2141	37.80	4-39	EA
XE3SP2151	34.70	4-39	EA
XENG1191	51.00	2-35	DN
XENG1491	51.00	2-35	DN
XENT1192	64.00	2-35	DN
XMLA002A2S11	220.40	4-47	EA
XMLA002B2S11	274.70	4-47	EA
XMLA002C2S11	274.70	4-47	EA
XMLA004A2S11	220.40	4-47	EA
XMLA004B2S11	274.70	4-47	EA
XMLA004C2S11	274.70	4-47	EA
XMLA010A2S11	220.40	4-47	EA
XMLA010B2S11	274.70	4-47	EA
XMLA010C2S11	274.70	4-47	EA
XMLA020A2S11	220.40	4-47	EA
XMLA020B2S11	274.70	4-47	EA
XMLA020C2S11	274.70	4-47	EA
XMLA035A2S11	220.40	4-47	EA
XMLA035B2S11	274.70	4-47	EA
XMLA035C2S11	274.70	4-47	EA
XMLA070D2S11	241.90	4-47	EA
XMLA070E2S11	289.10	4-47	EA
XMLA070N2S11	289.10	4-47	EA
XMLA160D2S11	241.90	4-47	EA
XMLA160E2S11	289.10	4-47	EA
XMLA160N2S11	289.10	4-47	EA
XMLA300D2S11	241.90	4-47	EA
XMLA300E2S11	289.10	4-47	EA
XMLA300N2S11	289.10	4-47	EA
XMLA500D2S11	241.90	4-47	EA
XMLA500E2S11	289.10	4-47	EA
XMLA500N2S11	289.10	4-47	EA
XMLB002A2S11	307.50	4-48	EA
XMLB002B2S11	427.50	4-48	EA
XMLB002C2S11	427.50	4-48	EA
XMLB004A2S11	307.50	4-48	EA
XMLB004B2S11	427.50	4-48	EA
XMLB004C2S11	427.50	4-48	EA
XMLB010A2S11	307.50	4-48	EA
XMLB010B2S11	427.50	4-48	EA
XMLB010C2S11	427.50	4-48	EA
XMLB020A2S11	307.50	4-48	EA
XMLB020B2S11	427.50	4-48	EA
XMLB020C2S11	427.50	4-48	EA
XMLB035A2S11	307.50	4-48	EA
XMLB035B2S11	427.50	4-48	EA
XMLB035C2S11	427.50	4-48	EA
XMLB070D2S11	330.10	4-49	EA
XMLB070E2S11	425.30	4-49	EA
XMLB070N2S11	425.30	4-49	EA
XMLB160D2S11	330.10	4-49	EA
XMLB160E2S11	425.30	4-49	EA
XMLB160N2S11	425.30	4-49	EA
XMLB300D2S11	330.10	4-49	EA
XMLB300E2S11	425.30	4-49	EA
XMLB300N2S11	425.30	4-49	EA
XMLB500D2S11	330.10	4-49	EA
XMLB500E2S11	425.30	4-49	EA
XMLB500N2S11	425.30	4-49	EA
XMPA06B2131	51.30	4-51	EA
XMPA06B2242	61.50	4-51	EA
XMPA06C2242	63.60	4-51	EA
XMPA12B2131	51.30	4-51	EA
XMPA12B2242	61.50	4-51	EA
XMPA12C2242	63.60	4-51	EA
XMPC06B2131	60.20	4-51	EA
XMPC06B2242	67.30	4-51	EA
XMPC06C2242	73.40	4-51	EA
XMPC12B2131	60.20	4-51	EA
XMPC12B2242	67.30	4-51	EA
XMPC12C2242	73.40	4-51	EA
XMPD06B2131	62.20	4-51	EA
XMPD06B2242	69.40	4-51	EA
XMPD06C2242	75.50	4-51	EA
XMPD12B2131	62.20	4-51	EA
XMPD12B2242	69.40	4-51	EA
XMPD12C2242	75.50	4-51	EA
XMPE06B2131	68.30	4-51	EA
XMPE06B2242	72.80	4-51	EA
XMPE06C2242	79.60	4-51	EA
XMPE12B2131	68.30	4-51	EA
XMPE12B2242	72.80	4-51	EA
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XMXA25L2435	183.60	4-50	EA
XS106B3NAL2	63.60	4-13	EA
XS106B3NAM8	63.60	4-13	EA
XS106B3PAL2	63.60	4-13	EA
XS106B3PAL5	67.30	4-13	EA
XS106B3PAM12	63.60	4-13	EA
XS106B3PAM8	63.60	4-13	EA
XS106B3PBL2	63.60	4-13	EA
XS106B3PBL5	67.30	4-13	EA
XS106B3PBM8	63.60	4-13	EA
XS106BLNAL2	61.20	4-22	EA
XS106BLNBL2	61.20	4-22	EA
XS106BLPAL2	61.20	4-22	EA
XS106BLPBL2	61.20	4-22	EA
XS108B3NAL2	63.60	4-13	EA
XS108B3NAL5	67.30	4-13	EA
XS108B3NAM12	63.60	4-13	EA
XS108B3NAM8	63.60	4-13	EA
XS108B3NBL2	63.60	4-13	EA
XS108B3NBL5	67.30	4-13	EA
XS108B3NBM12	63.60	4-13	EA
XS108B3NBM8	63.60	4-13	EA
XS108B3PAL2	63.60	4-13	EA
XS108B3PAL5	67.30	4-13	EA
XS108B3PAM12	63.60	4-13	EA
XS108B3PAM8	63.60	4-13	EA
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XS108B3PBM12	63.60	4-13	EA
XS108B3PBM8	63.60	4-13	EA
XS108BLNAL2	61.20	4-22	EA
XS108BLNAM12	61.20	4-22	EA
XS108BLNAM8	61.20	4-22	EA
XS108BLNBL2	61.20	4-22	EA
XS108BLNBM12	61.20	4-22	EA
XS108BLNBM8	61.20	4-22	EA
XS108BLPAL2	61.20	4-22	EA
XS108BLPAM12	61.20	4-22	EA
XS108BLPAM8	61.20	4-22	EA
XS108BLPBL2	61.20	4-22	EA
XS108BLPBM12	61.20	4-22	EA
XS108BLPBM8	61.20	4-22	EA
XS112B3NAL2	60.50	4-13	EA
XS112B3NAL5	67.30	4-13	EA
XS112B3NAM12	60.50	4-13	EA
XS112B3NBL2	60.50	4-13	EA
XS112B3NBL5	67.30	4-13	EA
XS112B3NBM12	60.50	4-13	EA
XS112B3PAL2	60.50	4-13	EA
XS112B3PAL5	67.30	4-13	EA
XS112B3PAM12	60.50	4-13	EA
XS112B3PBL2	60.50	4-13	EA
XS112B3PBL5	67.30	4-13	EA
XS112B3PBM12	60.50	4-13	EA
XS112BLFAL2	65.30	4-22	EA
XS112BLNAL2	54.00	4-22	EA
XS112BLNAM12	54.00	4-22	EA
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XS112BLPAL2	54.00	4-22	EA
XS112BLPAM12	54.00	4-22	EA
XS112BLPBL2	54.00	4-22	EA
XS112BLPBM12	54.00	4-22	EA
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XS118B3NAL5	64.30	4-14	EA
XS118B3NAM12	59.00	4-14	EA
XS118B3NBL2	59.00	4-14	EA
XS118B3NBL5	64.30	4-14	EA
XS118B3NBM12	59.00	4-14	EA
XS118B3PAL2	59.00	4-14	EA
XS118B3PAL5	64.30	4-14	EA
XS118B3PAM12	59.00	4-14	EA
XS118B3PBL2	59.00	4-14	EA
XS118B3PBL5	64.30	4-14	EA
XS118B3PBM12	59.00	4-14	EA
XS118BLFAL2	67.00	4-23	EA
XS118BLNAL2	56.00	4-23	EA
XS118BLNAM12	56.00	4-23	EA
XS118BLNBL2	56.00	4-23	EA
XS118BLNBM12	56.00	4-23	EA
XS118BLPAL2	56.00	4-23	EA
XS118BLPAM12	56.00	4-23	EA
XS118BLPBL2	56.00	4-23	EA
XS118BLPBM12	56.00	4-23	EA
XS130B3NAL2	68.70	4-14	EA
XS130B3NAL5	75.50	4-14	EA
XS130B3NAM12	68.70	4-14	EA
XS130B3NBL2	68.70	4-14	EA
XS130B3NBL5	75.50	4-14	EA
XS130B3NBM12	68.70	4-14	EA
XS130B3PAL2	68.70	4-14	EA
XS130B3PAL5	75.50	4-14	EA
XS130B3PAM12	68.70	4-14	EA
XS130B3PBL2	68.70	4-14	EA
XS130B3PBL5	75.50	4-14	EA
XS130B3PBM12	68.70	4-14	EA
XS130BLFAL2	89.80	4-23	EA
XS130BLNAL2	74.50	4-23	EA
XS130BLNAM12	74.50	4-23	EA
XS130BLNBL2	74.50	4-23	EA
XS130BLNBM12	74.50	4-23	EA
XS130BLPAL2	74.50	4-23	EA
XS130BLPAM12	74.50	4-23	EA
XS130BLPBL2	74.50	4-23	EA
XS130BLPBM12	74.50	4-23	EA
XS1L04NA310	122.00	4-24	EA
XS1L04NA310S	122.00	4-24	EA
XS1L04NA311	137.70	4-24	EA
XS1L04NA311S	137.70	4-24	EA
XS1L04NB310	143.80	4-24	EA
XS1L04NB310S	143.80	4-24	EA
XS1L04NB311	137.70	4-24	EA
XS1L04PA310	122.00	4-24	EA
XS1L04PA310S	122.00	4-24	EA
XS1L04PA311	137.70	4-24	EA
XS1L04PA311S	137.70	4-24	EA
XS1L04PB310	143.80	4-24	EA
XS1L04PB310S	143.80	4-24	EA
XS1L04PB311	137.70	4-24	EA
XS1N05NA310	114.00	4-24	EA
XS1N05NA311	143.50	4-24	EA
XS1N05NA311S	143.50	4-24	EA
XS1N05NB310	122.40	4-24	EA
XS1N05NB311	143.50	4-24	EA
XS1N05NB311S	143.50	4-24	EA
XS1N05PA310	114.00	4-24	EA
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XS1N05PB311	143.50	4-24	EA
XS1N05PB311S	143.50	4-24	EA
XS208ALNAL2	64.30	4-21	EA
XS208ALNBL2	64.30	4-21	EA
XS208ALPAL2	64.30	4-21	EA
XS208ALPBL2	64.30	4-21	EA
XS208BLNAL2	67.30	4-22	EA
XS208BLNAM12	67.30	4-22	EA
XS208BLNAM8	67.30	4-22	EA
XS208BLNBL2	67.30	4-22	EA
XS208BLNBM12	67.30	4-22	EA
XS208BLNBM8	67.30	4-22	EA
XS208BLPAL2	67.30	4-22	EA
XS208BLPAM12	67.30	4-22	EA
XS208BLPAM8	67.30	4-22	EA
XS208BLPBL2	67.30	4-22	EA
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XS212ALNBM12	57.10	4-21	EA
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XS212ALPAM12	57.10	4-21	EA
XS212ALPBL2	57.10	4-21	EA
XS212ALPBM12	57.10	4-21	EA
XS212BLNAL2	60.20	4-22	EA
XS212BLNAM12	60.20	4-22	EA
XS212BLNBL2	60.20	4-22	EA
XS212BLNBM12	60.20	4-22	EA
XS212BLPAL2	60.20	4-22	EA
XS212BLPAM12	60.20	4-22	EA
XS212BLPBL2	60.20	4-22	EA
XS212BLPBM12	60.20	4-22	EA
XS218ALNAL2	60.50	4-21	EA
XS218ALNAM12	60.50	4-21	EA
XS218ALNBL2	60.50	4-21	EA
XS218ALNBM12	60.50	4-21	EA
XS218ALPAL2	60.50	4-21	EA

Reference	Price (S$)	Page	COS
XS218ALPAM12	60.50	4-21	EA
XS218ALPBL2	60.50	4-21	EA
XS218ALPBM12	60.50	4-21	EA
XS218BLNAL2	63.60	4-23	EA
XS218BLNAM12	63.60	4-23	EA
XS218BLNBL2	63.60	4-23	EA
XS218BLNBM12	63.60	4-23	EA
XS218BLPAL2	63.60	4-23	EA
XS218BLPAM12	63.60	4-23	EA
XS218BLPBL2	63.60	4-23	EA
XS218BLPBM12	63.60	4-23	EA
XS230ALNAL2	77.50	4-21	EA
XS230ALNAM12	77.50	4-21	EA
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XS230ALPAL2	77.50	4-21	EA
XS230ALPAM12	77.50	4-21	EA
XS230ALPBL2	77.50	4-21	EA
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XS230BLNAL2	82.00	4-23	EA
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XS230BLNBM12	82.00	4-23	EA
XS230BLPAL2	82.00	4-23	EA
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XS230BLPBM12	82.00	4-23	EA
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XS4P08MA230K	157.00	4-20	EA
XS4P08MB230	168.30	4-20	EA
XS4P08MB230K	168.30	4-20	EA
XS4P08NA340	68.30	4-20	EA
XS4P08NA340S	68.30	4-20	EA
XS4P08NB340	72.80	4-20	EA
XS4P08NB340S	72.80	4-20	EA
XS4P08PA340	68.30	4-20	EA
XS4P08PA340S	68.30	4-20	EA
XS4P08PB340	72.80	4-20	EA
XS4P08PB340S	72.80	4-20	EA
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XS4P12NA340	59.50	4-20	EA
XS4P12NA340D	59.50	4-20	EA
XS4P12NB340	63.20	4-20	EA
XS4P12NB340D	63.20	4-20	EA
XS4P12PA340	59.50	4-20	EA
XS4P12PA340D	59.50	4-20	EA
XS4P12PB340	63.20	4-20	EA
XS4P12PB340D	63.20	4-20	EA
XS4P18MA230	124.00	4-20	EA
XS4P18MA230K	124.00	4-20	EA
XS4P18MB230	134.30	4-20	EA
XS4P18MB230K	134.30	4-20	EA
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XS4P18NA340D	73.00	4-20	EA
XS4P18NB340	77.00	4-20	EA
XS4P18NB340D	77.00	4-20	EA
XS4P18PA340	73.00	4-20	EA
XS4P18PA340D	73.00	4-20	EA
XS4P18PB340	77.00	4-20	EA
XS4P18PB340D	77.00	4-20	EA
XS4P30MA230	139.00	4-20	EA
XS4P30MA230K	139.00	4-20	EA
XS4P30MB230	147.00	4-20	EA
XS4P30MB230K	147.00	4-20	EA
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XS508B1PAL2	78.00	4-12	EA
XS508B1PAM8	78.00	4-12	EA
XS508B1PBL2	83.00	4-12	EA
XS508B1PBM8	83.00	4-12	EA
XS512B1DAL2	73.00	4-12	EA
XS512B1DAM12	73.00	4-12	EA
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XS512B1DBM12	77.00	4-12	EA
XS512B1NAL2	66.00	4-12	EA
XS512B1NAM12	66.00	4-12	EA
XS512B1NBL2	73.00	4-12	EA
XS512B1NBM12	73.00	4-12	EA
XS512B1PAL2	66.00	4-12	EA
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XS530B1NAM12	85.00	4-12	EA
XS530B1NBL2	90.80	4-12	EA
XS530B1NBM12	90.80	4-12	EA
XS530B1PAL2	85.00	4-12	EA
XS530B1PAM12	85.00	4-12	EA
XS530B1PBL2	90.80	4-12	EA
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XS612B1MBL2	130.00	4-16	EA
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XS612B1NAM12	85.00	4-15	EA
XS612B1NBL2	93.30	4-15	EA
XS612B1NBM12	93.30	4-15	EA
XS612B1PAL2	85.00	4-15	EA
XS612B1PAM12	85.00	4-15	EA
XS612B1PBL2	93.30	4-15	EA
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XS618B1MAU20	146.60	4-16	EA
XS618B1MBL2	137.00	4-16	EA
XS618B1MBU20	165.20	4-16	EA
XS618B1NAL2	93.30	4-15	EA
XS618B1NAM12	93.30	4-15	EA
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XS618B1PAM12	93.30	4-15	EA
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XS618B2PAL01M12	127.00	4-25	EA
XS618B2PBL01M12	134.00	4-25	EA
XS630B1MAL2	136.00	4-16	EA
XS630B1MAU20	164.20	4-16	EA
XS630B1MBL2	145.00	4-16	EA
XS630B1MBU20	174.40	4-16	EA
XS630B1NAL2	98.00	4-15	EA
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XS630B1NBM12	106.60	4-15	EA
XS630B1PAL2	98.00	4-15	EA
XS630B1PAM12	98.00	4-15	EA

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Reference	Price (S$)	Page	COS
XS630B1PBL2	106.60	4-15	EA
XS630B1PBM12	106.60	4-15	EA
XS630B2NAL01M12	139.70	4-25	EA
XS630B2PAL01M12	139.70	4-25	EA
XS630B2PBL01M12	146.90	4-25	EA
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XS7C1A1NAL2	104.60	4-18	EA
XS7C1A1NAM8	104.60	4-18	EA
XS7C1A1NBL01M12	137.70	4-18	EA
XS7C1A1NBL2	110.20	4-18	EA
XS7C1A1NBM8	110.20	4-18	EA
XS7C1A1PAL01M12	131.60	4-18	EA
XS7C1A1PAL2	104.60	4-18	EA
XS7C1A1PAM8	104.60	4-18	EA
XS7C1A1PBL01M12	137.70	4-18	EA
XS7C1A1PBL2	110.20	4-18	EA
XS7C1A1PBM8	110.20	4-18	EA
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XS7D1A1DAM12	219.30	4-18	EA
XS7D1A1DBL2	231.50	4-18	EA
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XS7D1A1NAM12	196.90	4-18	EA
XS7D1A1NBL2	208.10	4-18	EA
XS7D1A1NBM12	208.10	4-18	EA
XS7D1A1PAL2	196.90	4-18	EA
XS7D1A1PAM12	196.90	4-18	EA
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XS7E1A1DBM8	116.30	4-18	EA
XS7E1A1NAL01M12	123.40	4-18	EA
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XS8C1A1NAL01M12	169.00	4-19	EA
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XS8C1A1NBL2	155.00	4-19	EA
XS8C1A1NBM8	155.00	4-19	EA
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XS8D1A1PBM12	314.00	4-19	EA
XS8E1A1MAL01U20	195.80	4-19	EA
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XS8E1A1MBL01U20	195.80	4-19	EA
XS8E1A1MBL2	169.00	4-19	EA
XS8E1A1NAL01M12	177.50	4-19	EA
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XSAZ145	9.20	4-10	EA
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XSZBC10	18.50	4-26	EA
XSZBC90	10.30	4-26	EA
XSZBD10	12.30	4-26	EA
XSZBE00	10.30	4-26	EA
XSZBE10	18.50	4-26	EA
XSZBE90	10.30	4-26	EA
XSZBF00	10.30	4-26	EA
XSZBF90	10.30	4-26	EA
XSZBJ00	10.30	4-26	EA
XSZBJ90	10.30	4-26	EA
XSZBPM12	12.30	4-25	EA
XSZE118	9.20	4-10	EA
XSZE318	17.30	4-10	EA
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XUB0AKSNM12T	74.00	4-3	EA
XUB0AKSWL2T	97.90	4-3	EA
XUB0AKSWM12T	97.90	4-3	EA
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XUB0ANSWL2	148.90	4-3	EA
XUB0ANSWM12	148.90	4-3	EA
XUB0APSNL2	134.30	4-3	EA
XUB0APSNM12	135.00	4-3	EA
XUB0APSWL2	148.90	4-3	EA
XUB0APSWM12	148.90	4-3	EA
XUB0BKSNL2T	76.00	4-3	EA
XUB0BKSNM12T	76.00	4-3	EA
XUB0BKSWL2T	102.00	4-3	EA
XUB0BKSWM12T	102.00	4-3	EA
XUB0BNSNL2	145.60	4-3	EA
XUB0BNSNM12	152.80	4-3	EA
XUB0BNSWL2	162.00	4-3	EA
XUB0BNSWM12	162.00	4-3	EA

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XUB0BPSNL2	145.60	4-3	EA
XUB0BPSNM12	152.80	4-3	EA
XUB0BPSWL2	162.00	4-3	EA
XUB0BPSWM12	162.00	4-3	EA
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XUB1BNAWM12	103.60	4-2	EA
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XUB1BPBWM12	103.60	4-2	EA
XUB2AKSNM12T	47.90	4-1	EA
XUB2AKSWM12T	61.20	4-1	EA
XUB2ANANM12R	85.70	4-1	EA
XUB2ANAWM12R	92.80	4-1	EA
XUB2ANBNM12R	85.70	4-1	EA
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XUB9ANAWM12	109.10	4-1	EA
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XUB9ANBWM12	109.10	4-1	EA
XUB9APANM12	90.80	4-1	EA
XUB9APAWM12	109.10	4-1	EA
XUB9APBNM12	90.80	4-1	EA
XUB9APBWM12	109.10	4-1	EA
XUB9BNANM12	97.40	4-2	EA
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XUX1APANM12	169.40	4-8	EA
XUX1APANT16	169.40	4-8	EA
XUX1APBNM12	169.40	4-8	EA
XUX1APBNT16	169.40	4-8	EA

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XUX1ARCNT16	189.80	4-8	EA
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XUX2ANANT16R	145.90	4-8	EA
XUX2ANBNM12R	145.90	4-8	EA
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XUX2ARCNT16R	162.00	4-8	EA
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XUX5ANBNM12	199.90	4-8	EA
XUX5ANBNT16	199.90	4-8	EA
XUX5APANM12	199.90	4-8	EA
XUX5APANT16	199.90	4-8	EA
XUX5APBNM12	199.90	4-8	EA
XUX5APBNT16	199.90	4-8	EA
XUX5ARCNT16	219.30	4-8	EA
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XUZAM04	10.30	4-4	EA
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XUZC31	15.30	4-11	EA
XUZC39	17.30	4-11	EA
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XUZX2004	44.90	4-9, 4-10	EA
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XVBC2B7	101.60	2-29	DN
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XVBC8M5	297.00	2-30	DN

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XVBC8M8	297.00	2-30	DN
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XVBC9M	151.00	2-30	DN
XVBCY1	27.00	2-30	DN
XVBCY2	23.50	2-30	DN
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XVBZ02	33.00	2-31	DN
XVBZ02A	31.00	2-31	DN
XVBZ03	48.00	2-31	DN
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XVBZ04	64.00	2-31	DN
XVBZ04A	62.00	2-31	DN
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XVC4B15S	148.00	2-27	DN
XVC4B1K	93.00	2-27	DN
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XVR10J05	180.00	2-33	DN
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XVR12B04	185.00	2-33	DN
XVR12B04S	229.90	2-33	DN
XVR12B05	203.50	2-33	DN
XVR12B05S	229.90	2-33	DN
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XVR12J03S	209.00	2-33	DN
XVR12J04	185.00	2-33	DN
XVR12J04S	229.90	2-33	DN
XVR12J05	185.00	2-33	DN
XVR12J05S	229.90	2-33	DN
XVR12J06	203.50	2-33	DN
XVR12J06S	209.00	2-33	DN
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XVR13G04L	220.00	2-33	DN
XVR13G05L	220.00	2-33	DN
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XVR13J05	220.00	2-33	DN
XVR13M04L	222.00	2-33	DN
XVR13M05L	220.00	2-33	DN
XVRZ081	28.00	2-33	DN
XVRZ082	35.00	2-33	DN
XVRZR1	19.00	2-33	DN
XVRZR2	21.00	2-33	DN
XVRZR3	21.00	2-33	DN
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XVS14GMW	402.20	2-34	DN
XVS14MMW	324.50	2-34	DN
XVS72BMBN	214.00	2-34	DN
XVS72BMBP	214.00	2-34	DN
XVS72BMWN	214.00	2-34	DN
XVS72BMWP	214.00	2-34	DN
XVUC23	61.00	2-32	DN
XVUC24	61.00	2-32	DN
XVUC25	61.00	2-32	DN
XVUC26	61.00	2-32	DN
XVUC27	61.00	2-32	DN
XVUC28	61.00	2-32	DN
XVUC29	135.00	2-32	DN
XVUC29P	140.00	2-32	DN
XVUC9S	102.00	2-32	DN
XVUC9SQ	112.00	2-32	DN
XVUC9V	185.00	2-32	DN
XVUC9VP	200.00	2-32	DN
XVUC21B	51.00	2-32	DN
XVUC21BQ	56.00	2-32	DN
XVUC21M	103.00	2-32	DN
XVUC21MP	103.00	2-32	DN
XVUC21MQP	113.00	2-32	DN
XVUC020	44.00	2-32	DN
XVUC020Q	48.00	2-32	DN
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XVUZ03	30.00	2-32	DN
XVUZ04	30.00	2-32	DN
XVUZ01Q	33.00	2-32	DN
XVUZ02	46.00	2-32	DN
XVUZ02Q	51.00	2-32	DN
XVUZ05	139.00	2-32	DN
XVUZ06	60.00	2-32	DN
XY2CB10	1183.20	5-5	EG
XY2CB104	1152.60	5-5	EG
XY2CB11	1428.00	5-5	EG
XY2CB12	1412.70	5-5	EG
XY2CB14	1489.20	5-5	EG

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XY2CB20	1183.20	5-5	EG
XY2CB204	1152.60	5-5	EG
XY2CB21	1458.60	5-5	EG
XY2CB22	1412.70	5-5	EG
XY2CB24	1489.20	5-5	EG
XY2CB30	1254.60	5-5	EG
XY2CB304	1407.60	5-5	EG
XY2CB31	1570.80	5-5	EG
XY2CB32	1448.40	5-5	EG
XY2CB34	1683.00	5-5	EG
XY2CE1A250	533.00	5-5	EG
XY2CE1A270	533.00	5-5	EG
XY2CE1A296	596.60	5-5	EG
XY2CE1A297	628.40	5-5	EG
XY2CE1A450	557.90	5-5	EG
XY2CE1A470	557.90	5-5	EG
XY2CE2A250	538.20	5-5	EG
XY2CE2A270	533.00	5-5	EG
XY2CE2A296	596.60	5-5	EG
XY2CE2A297	628.40	5-5	EG
XY2CE2A450	563.00	5-5	EG
XY2CE2A470	557.90	5-5	EG
XY2CH13170	158.10	5-5	EG
XY2CH13250	182.50	5-5	EG
XY2CH13253	204.00	5-5	EG
XY2CH13270	186.60	5-5	EG
XY2CH13273	212.20	5-5	EG
XY2CH13350	210.10	5-5	EG
XY2CH13370	215.20	5-5	EG
XY2CH13450	186.70	5-5	EG
XY2CH13470	214.20	5-5	EG
XY2CZ1015	47.90	5-6	EG
XY2CZ102	69.40	5-6	EG
XY2CZ105	136.40	5-6	EG
XY2CZ110	271.30	5-6	EG
XY2CZ203	53.00	5-6	EG
XY2CZ301	51.30	5-6	EG
XY2CZ3015	63.20	5-6	EG
XY2CZ302	123.40	5-6	EG
XY2CZ305	245.00	5-6	EG
XY2CZ310	453.90	5-6	EG
XY2CZ402	14.40	5-6	EG
XY2CZ404	16.40	5-6	EG
XY2CZ503	4.10	5-6	EG
XY2CZ513	6.20	5-6	EG
XY2CZ523	2.50	5-6	EG
XY2CZ524	2.50	5-6	EG
XY2CZ601	6.20	5-6	EG
XY2CZ602	19.40	5-6	EG
XY2CZ701	4.10	5-6	EG
XY2CZ702	14.40	5-6	EG
XY2CZ703	10.40	5-6	EG
XY2CZ704	8.20	5-6	EG
XY2CZ705	16.40	5-6	EG
XY2CZ708	43.90	5-6	EG
XY2CZ917	71.60	5-6	EG
XY2CZ9310	51.30	5-6	EG
XY2CZ9315	72.80	5-6	EG
XY2CZ9325	96.40	5-6	EG
XY2CZ9350	153.80	5-6	EG
XY2CZ9525	107.70	5-6	EG
XY2CZ9550	169.30	5-6	EG
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XZCP0166L5	40.80	4-52	EA
XZCP0266L10	59.20	4-52	EA
XZCP0266L2	30.80	4-52	EA
XZCP0266L5	40.80	4-52	EA
XZCP0366L10	76.50	4-52	EA
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XZCP0366L5	59.20	4-52	EA
XZCP0466L10	76.50	4-52	EA
XZCP0466L2	48.20	4-52	EA
XZCP0466L5	59.20	4-52	EA
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XZCP0566L2	25.70	4-52	EA
XZCP0566L5	40.00	4-52	EA
XZCP0666L10	60.20	4-52	EA
XZCP0666L2	25.70	4-52	EA
XZCP0666L5	40.00	4-52	EA
XZCP0766L10	76.50	4-52	EA
XZCP0766L2	48.20	4-52	EA
XZCP0766L5	59.20	4-52	EA
XZCP0866L10	76.50	4-52	EA
XZCP0866L2	49.00	4-52	EA
XZCP0866L5	59.20	4-52	EA
XZCP0941L10	60.20	4-52	EA
XZCP0941L2	30.80	4-52	EA
XZCP0941L5	45.90	4-52	EA
XZCP1041L10	60.20	4-52	EA
XZCP1041L2	30.80	4-52	EA
XZCP1041L5	45.90	4-52	EA
XZCP1141L10	58.50	4-53	EA
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XZCP1141L5	43.10	4-53	EA
XZCP1164L10	91.80	4-53	EA
XZCP1164L2	55.10	4-53	EA
XZCP1164L5	68.30	4-53	EA
XZCP1169L10	74.50	4-53	EA
XZCP1169L2	38.80	4-53	EA
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XZCP1264L5	68.30	4-53	EA
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XZCP1340L5	56.10	4-53	EA
XZCP1440L10	70.40	4-53	EA
XZCP1440L2	48.20	4-53	EA
XZCP1440L5	56.10	4-53	EA
XZCP1541L05	37.80	4-53	EA
XZCP1541L1	38.80	4-53	EA
XZCP1541L2	43.10	4-53	EA
XZCP1564L05	40.00	4-53	EA
XZCP1564L1	40.80	4-53	EA
XZCP1564L2	44.90	4-53	EA
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XZCP1771L10	143.80	4-54	EA
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XZCP1965L5	49.00	4-54	EA
XZCP2540L10	70.40	4-53	EA
XZCP2540L2	48.20	4-53	EA
XZCP2540L5	56.10	4-53	EA
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ZA2BD2	10.00	2-36	DN
ZA2BD3	10.00	2-36	DN
ZA2BG4	31.00	2-36	DN
ZA2BG5	31.00	2-36	DN
ZA2BS834	41.00	2-36	DN
ZA2BS844	48.00	2-36	DN
ZA2BV01	7.00	2-36	DN
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ZA2BV06	7.00	2-36	DN
ZA2BV07	7.00	2-36	DN
ZA2BV073	7.00	2-36	DN
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ZALVB3	12.00	2-26	DN
ZALVB4	12.00	2-26	DN
ZALVB5	12.00	2-26	DN
ZALVB6	12.00	2-26	DN
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ZALVG6	16.00	2-26	DN
ZALVM1	22.00	2-26	DN
ZALVM3	22.00	2-26	DN
ZALVM4	22.00	2-26	DN

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ZALVM6	22.00	2-26	DN
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ZB2BE102	6.80	2-35	DN
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ZB2BV007	24.00	2-35	DN
ZB2BY2002	14.00	2-37	DN
ZB2BY2004	14.00	2-37	DN
ZB2BY2101	2.00	2-37	DN
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ZB2BY2305	2.00	2-37	DN
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ZB4BVM6	15.00	2-4	DN
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ZB4BW0B55	18.00	2-1, 2-3	DN
ZB4BW0B65	18.00	2-1	DN
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ZB4BW0M35	23.00	2-1, 2-3	DN
ZB4BW0M45	23.00	2-1, 2-3	DN
ZB4BW0M55	23.00	2-1, 2-3	DN
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ZB4BW343	14.00	2-1	DN
ZB4BW353	14.00	2-1	DN
ZB4BW363	14.00	2-1	DN
ZB4BZ009	3.00	2-22	DN
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ZB4BZ102	7.70	2-1, 2-2	DN
ZB4BZ103	12.00	2-3	DN
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ZB4RTA0EX	340.00	2-23	DN
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ZB4RTA2	164.10	2-21	DN
ZB4RTA3	164.10	2-21	DN
ZB4RTA331	164.10	2-21	DN
ZB4RTA4	164.10	2-21	DN
ZB4RTA432	164.10	2-21	DN
ZB4RTA5	164.10	2-21	DN
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ZB5AV6	9.00	2-8	DN
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ZB5AVB3	8.00	2-8	DN

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ZB5AVB6	8.00	2-8	DN
ZB5AVG1	10.00	2-8	DN
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ZB5AVM6	13.00	2-8	DN
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ZB5AW0B55	17.50	2-5, 2-7	DN
ZB5AW0B65	17.50	2-5	DN
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ZB5AW313	8.00	2-5	DN
ZB5AW333	8.00	2-5	DN
ZB5AW343	8.00	2-5	DN
ZB5AW353	8.00	2-5	DN
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ZB5AZ009	2.00	2-22	DN
ZB5AZ101	7.00	2-5, 2-6, 2-7	DN
ZB5AZ102	7.00	2-5, 2-6	DN
ZB5AZ103	11.00	2-7	DN
ZB5AZ105	11.00	2-7	DN
ZB5AZ901	2.00	2-26	DN
ZB5AZ905	21.00	1-40	DN
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ZB5CA4	11.00	2-26	DN
ZB5CA5	11.00	2-26	DN
ZB5CA6	10.00	2-26	DN
ZB5CL1	13.20	2-26	DN
ZB5CL2	12.00	2-26	DN
ZB5CL3	12.00	2-26	DN
ZB5CL4	13.20	2-26	DN
ZB5CL5	12.00	2-26	DN
ZB5CL6	13.20	2-26	DN
ZB5CV003	18.10	2-26	DN
ZB5CV013	9.90	2-26	DN
ZB5CV033	9.90	2-26	DN
ZB5CV043	9.90	2-26	DN
ZB5CV053	9.90	2-26	DN
ZB5CV063	9.90	2-26	DN
ZB5CW313	15.40	2-26	DN
ZB5CW333	15.40	2-26	DN
ZB5CW343	15.40	2-26	DN
ZB5CW353	15.40	2-26	DN
ZB5CW363	15.40	2-26	DN
ZB5RTA0EX	323.00	2-23	DN
ZB5RTA1	152.40	2-21	DN
ZB5RTA2	152.40	2-21	DN
ZB5RTA3	152.40	2-21	DN
ZB5RTA331	152.40	2-21	DN
ZB5RTA4	152.40	2-21	DN
ZB5RTA432	152.40	2-21	DN
ZB5RTA5	152.40	2-21	DN
ZB5RTA6	152.40	2-21	DN
ZB5RTC2	159.00	2-21	DN
ZB5RZA0	22.00	2-21	DN
ZB5RZC2	25.00	2-21	DN
ZB6AA1	14.00	2-12	DN
ZB6AA2	14.00	2-12	DN
ZB6AA3	14.00	2-12	DN
ZB6AA4	14.00	2-12	DN
ZB6AD22	27.00	2-13	DN
ZB6AD23	27.00	2-13	DN
ZB6AE1	15.00	2-10	DN
ZB6AE3	15.00	2-10	DN
ZB6AE4	15.00	2-10	DN
ZB6AF1	15.00	2-11	DN
ZB6AF3	15.00	2-11	DN
ZB6AF4	15.00	2-11	DN
ZB6AGC	30.00	2-13	DN
ZB6AGH	45.90	2-13	DN
ZB6AS834	33.00	2-12	DN
ZB6AS934	43.00	2-12	DN
ZB6AV1	5.50	2-11	DN
ZB6AV3	5.50	2-11	DN
ZB6AV4	5.50	2-11	DN
ZB6AV5	5.50	2-11	DN
ZB6AW1	8.00	2-10	DN
ZB6AW3	9.00	2-10	DN
ZB6AW4	9.00	2-10	DN
ZB6CA1	14.00	2-12	DN
ZB6CA2	14.00	2-12	DN
ZB6CA3	14.00	2-12	DN
ZB6CA4	14.00	2-12	DN
ZB6CE3	15.00	2-10	DN
ZB6CE4	15.00	2-10	DN
ZB6CF1	15.00	2-11	DN
ZB6CF3	15.00	2-11	DN
ZB6CF4	15.00	2-11	DN
ZB6CV1	5.50	2-11	DN
ZB6CV3	5.50	2-11	DN
ZB6CV4	5.50	2-11	DN
ZB6CV5	5.50	2-11	DN
ZB6CW1	10.00	2-10	DN
ZB6CW3	10.00	2-10	DN
ZB6CW4	10.00	2-10	DN
ZB6DA1	14.00	2-12	DN
ZB6DA2	14.00	2-12	DN
ZB6DA3	14.00	2-12	DN
ZB6DA4	14.00	2-12	DN
ZB6DE3	15.00	2-10	DN
ZB6DE4	15.00	2-10	DN
ZB6DF1	16.00	2-11	DN
ZB6DF3	16.00	2-11	DN
ZB6DF4	16.00	2-11	DN
ZB6DV1	5.50	2-11	DN
ZB6DV3	5.50	2-11	DN
ZB6DV4	5.50	2-11	DN
ZB6DV5	5.50	2-11	DN
ZB6DW1	9.00	2-10	DN
ZB6DW3	9.00	2-10	DN
ZB6DW4	9.00	2-10	DN
ZB6E2B	5.50	2-10, 2-11	DN
ZB6EB1B	9.50	2-11	DN
ZB6EB3B	9.50	2-11	DN
ZB6EB4B	9.50	2-11	DN
ZB6EB5B	13.00	2-11	DN
ZB6Z1B	7.00	2-10, 2-11, 2-12, 2-13	DN
ZB6Z2B	7.00	2-10, 2-11	DN
ZB6Z5B	11.00	2-12, 2-13	DN
ZB6ZB11B	20.00	2-10	DN
ZB6ZB15B	22.00	2-10, 2-11	DN
ZB6ZB31B	20.00	2-10, 2-11	DN
ZB6ZB35B	22.00	2-10, 2-11	DN
ZB6ZB42B	20.00	2-10, 2-11	DN
ZB6ZB45B	22.00	2-10, 2-11	DN
ZBRA1	164.00	2-22	DN
ZBRM21	70.00	2-22	DN
ZBRM01BEX	680.00	2-23	DN
ZBRM01EX	833.00	2-23	DN
ZBRP1	170.00	2-21	DN
ZBRP1EX	646.00	2-23	DN
ZBRRA	306.00	2-22	DN
ZBRRC	396.00	2-22	DN
ZBRRD	373.65	2-22	DN
ZBRT1	129.00	2-21	DN
ZBZ1600	32.00	2-8	DN
ZBZ1602	32.00	2-8	DN
ZBZ1604	32.00	2-8	DN
ZBZ1605	32.00	2-8	DN
ZBZ1606	32.00	2-8	DN
ZCD21	44.90	4-37	EA
ZCD21M12	129.60	4-38	EA
ZCD25	50.00	4-37	EA
ZCD27	56.10	4-37	EA
ZCD28	52.10	4-37	EA
ZCD29	52.10	4-38	EA
ZCD37	65.30	4-38	EA
ZCD39	59.20	4-37	EA
ZCDEF12	21.40	4-38	EA
ZCDEG11	7.20	4-37	EA

Reference	Price (S$)	Page	COS
ZCDEG13	10.30	4-37	EA
ZCDEN12	21.40	4-37	EA
ZCDEP16	7.20	4-37	EA
ZCDEP20	10.30	4-37	EA
ZCE01	20.40	4-29, 4-37	EA
ZCE02	32.80	4-29, 4-37	EA
ZCE06	35.70	4-30, 4-38	EA
ZCE07	43.90	4-30, 4-38	EA
ZCE08	43.90	4-30, 4-38	EA
ZCE10	15.30	4-29, 4-37	EA
ZCE11	24.50	4-29, 4-37	EA
ZCE21	34.70	4-29, 4-37	EA
ZCE24	68.40	4-29, 4-37	EA
ZCE27	38.00	4-30, 4-38	EA
ZCEF0	32.80	4-30	EA
ZCEF2	94.30	4-30	EA
ZCEH0	32.80	4-38	EA
ZCEH2	93.80	4-38	EA
ZCMC21L1	40.00	4-29	EA
ZCMC25L1	40.00	4-29	EA
ZCMD21	48.00	4-29	EA
ZCMD21C12	130.20	4-30	EA
ZCMD21L1	84.70	4-30	EA
ZCMD21M12	130.20	4-30	EA
ZCMD25	78.50	4-29	EA
ZCMD41L1	127.50	4-30	EA
ZCP21	31.70	4-37	EA
ZCP21M12	129.60	4-38	EA
ZCP25	36.80	4-37	EA
ZCP27	45.90	4-37	EA
ZCP28	42.10	4-37	EA
ZCP29	41.90	4-38	EA
ZCP37	49.00	4-38	EA
ZCP39	43.10	4-37	EA
ZCPEF12	21.40	4-38	EA
ZCPEG11	6.20	4-37	EA
ZCPEG13	9.20	4-37	EA
ZCPEN12	21.40	4-37	EA
ZCPEP16	6.20	4-37	EA
ZCPEP20	9.20	4-37	EA
ZCT21P16	48.00	4-38	EA
ZCT25P16	53.30	4-38	EA
ZCY15	6.20	4-29, 4-37	EA
ZCY16	6.20	4-29, 4-37	EA
ZCY18	6.20	4-30, 4-38	EA
ZCY19	57.10	4-30, 4-38	EA
ZCY22	7.20	4-30, 4-38	EA
ZCY25	6.20	4-29, 4-37	EA
ZCY26	6.20	4-29, 4-37	EA
ZCY39	35.70	4-38	EA
ZCY45	8.20	4-30, 4-38	EA
ZCY49	57.10	4-38	EA
ZCY55	6.20	4-30, 4-38	EA
ZCY91	12.30	4-30, 4-38	EA
ZENL1111	10.00	2-26	DN
ZENL1121	10.00	2-26	DN

Average full load motor currents

Single phase motors

kW	hp	220 V A	240 V A
0,37	*0,5*	3,9	3,6
0,55	*0,75*	5,2	4,8
0,75	*1*	6,6	6,1
1,1	*1,5*	9,6	8,8
1,5	*2*	12,7	11,7
1,8	*2,5*	15,7	14,4
2,2	*3*	18,6	17,1
3	*4*	24,3	22,2
4	*5*	29,6	27,1
4,4	*6*	34,7	31,8
5,2	*7*	39,8	36,5
5,5	*7,5*	42,2	38,7
6	*8*	44,5	40,8
7	*9*	49,5	45,4
7,5	*10*	54,4	50

Three phase 4 pole motors 50/60 Hz

kW	hp	220-240 V A	380 V A	415 V A	440 V A	500 V A	660 V A	1000 V A
0,37	*0,5*	1,8	1,03	—	0,99	1	0,6	0,4
0,55	*0,75*	2,75	1,6	—	1,36	1,21	0,9	0,6
0,75	*1*	3,5	2	2	1,68	1,5	1,1	0,75
1,1	*1,5*	4,4	2,6	2,5	2,37	2	1,5	1
1,5	*2*	6,1	3,5	3,5	3,06	2,6	2	1,3
2,2	*3*	8,7	5	5	4,42	3,8	2,8	1,9
3	*4*	11,5	6,6	6,5	5,77	5	3,8	2,5
3,7	*5*	13,5	7,7	7,5	7,1	5,9	4,4	3
4	*5,5*	14,5	8,5	8,4	7,9	6,5	4,9	3,3
5,5	*7,5*	20	11,5	11	10,4	9	6,6	4,5
7,5	*10*	27	15,5	14	13,7	12	8,9	6
9	*12*	32	18,5	17	16,9	13,9	10,6	7
10	*13,5*	35	20	—	—	15	11,5	7,5
11	*15*	39	22	21	20,1	18,4	14	9
15	*20*	52	30	28	26,5	23	17,3	12
18,5	*25*	64	37	35	32,8	28,5	21,3	14,5
22	*30*	75	44	40	39	33	25,4	17
25	*35*	85	52	47	45,3	39,4	30,3	20
30	*40*	103	60	55	51,5	45	34,6	23
33	*45*	113	68	60	58	50	39	25
37	*50*	126	72	66	64	55	42	28
40	*54*	134	79	71	67	60	44	30
45	*60*	150	85	80	76	65	49	33
51	*70*	170	98	90	83	75	57	38
55	*75*	182	105	100	90	80	61	40
59	*80*	195	112	105	97	85	66	43
63	*85*	203	117	115	109	89	69	45
75	*100*	240	138	135	125	105	82	53
80	*110*	260	147	138	131	112	86	57
90	*125*	295	170	165	146	129	98	65
100	*136*	325	188	182	162	143	107	71
110	*150*	356	205	200	178	156	118	78
129	*175*	420	242	230	209	184	135	85
132	*180*	425	245	240	215	187	140	90
140	*190*	450	260	250	227	200	145	95
147	*200*	472	273	260	236	207	152	100
150	*205*	483	280	270	246	210	159	102
160	*220*	520	300	280	256	220	170	115
180	*245*	578	333	320	289	254	190	135
185	*250*	595	342	325	295	263	200	138
200	*270*	626	370	340	321	281	215	150
220	*300*	700	408	385	353	310	235	160
250	*340*	800	460	425	401	360	274	200
257	*350*	826	475	450	412	365	280	203
280	*380*	900	510	475	450	400	305	220
295	*400*	948	546	500	473	416	320	227
300	*410*	980	565	510	481	420	325	230
315	*430*	990	584	535	505	445	337	239
335	*450*	1100	620	550	518	472	355	250
355	*480*	1150	636	580	549	500	370	262
375	*500*	1180	670	610	575	527	395	273
400	*545*	1250	710	650	611	540	410	288
425	*580*	—	760	690	650	574	445	302
445	*600*	—	790	730	680	595	455	317
450	*610*	—	800	740	690	608	460	320
475	*645*	—	850	780	730	645	485	335
500	*680*	—	900	820	780	680	515	350

The IEC publication 144 and 259 define the degrees of protection provided by electrical enclosures with respect to persons, equipment within the enclosure and the ingress of water and enable this to be expressed by the letters IP followed by two numerals:

These standards do not apply to protection against the risk of explosion or conditions such as humidity, corrosive gases, fungi or vermin.
Certain equipment intended to be mounted in enclosures also contribute to the degree of protection achieved. Example: push-buttons on enclosures.
In this case the equipment will only conform with the standard when it is correctly mounted.
Different parts of an equipment can have different degrees of protection and still comply with the standards. Example: opening in the base of an enclosure.

1st characteristic numeral	2nd characteristic numeral
Protection against contact and penetration of solid bodies. Conforming to IEC, NFC, DIN.	Protection against the penetration of liquids. Conforming to IEC, NFC, DIN.
0 Non-protected	0 Non-protected
1 Protection against solid objects greater than 50 mm.	1 Protection against dripping water.
2 Protection against solid objects greater than 12 mm.	2 Protection against dripping water when tilted up to 15°.
3 Protection against solid objects greater than 2.5 mm.	3 Protection against spraying water.
4 Protection against solid objects greater than 1 mm.	4 Protection against splashing water.
5 Dust protected.	5 Protection against water jets.
6 Dust tight.	6 Protection against heavy seas.
	7 Protection against the effects of immersion.
	8 Protection against submersion.

Air circuit breakers

Masterpact NT06 to NT16 circuit breakers

Complete device - circuit breakers A1
Accessories for NT06 to NT16
Fixed circuit breakers
- Connection A2
- Indication contacts A2
- Remote operation A3

Drawout circuit breakers
- Connection A4
- Chassis locking and accessories A4
- Indication contacts A5
- Remote operation A6

Fixed and drawout circuit breakers A7
NT06 to NT16 fixed and drawout switch-disconnectors A9

Masterpact NW08 to NW63 circuit breakers

Complete device - circuit breaker A10
Accessories for NW08 to NW63
Fixed circuit breakers
- Connection A11
- Indication contacts A11
- Remote operation A12

Drawout circuit breakers
- Connection A13
- Chassis locking and accessories A13
- Indication contacts A14
- Remote operation A15

Fixed and drawout circuit breakers A16
NW08 to NW63 fixed and drawout switch-disconnectors A18

Easypact MVS
MVS08 to MVS40 fixed and drawout circuit breakers

Complete device - Air circuit breaker A19
Accessories for MVS08 to MVS40
Fixed circuit breakers
- Connection A20
- Indication contacts A20
- Remote operation A20

Drawout circuit breakers
- Connection A21
- Chassis locking and accessories A21
- Indication contacts A22
- Remote operation A22

Fixed and drawout circuit breakers
- Circuit breaker locking accessories A23
- Mechanical interlocking accessories A23
- Accessories for ET trip unit A24
- Testing equipment A24

MVS08 to MVS40 fixed and drawout switch-disconnectors A25

NT06 to NT16
fixed and drawout circuit breakers

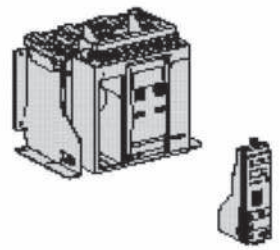
Unit price (excl. GST) in Singapore Dollars

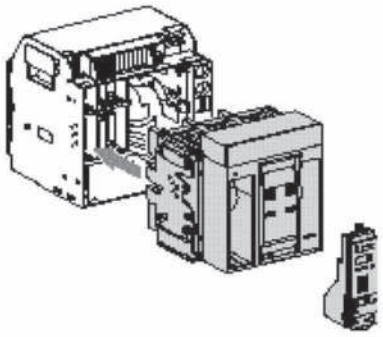
NT circuit breaker

A Masterpact NT circuit breaker consist of:
- the basic circuit breaker
- a Micrologic 2.0A/E control unit
- a chassis for drawout only
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)
- 1 trip indication contact (SDE)

Additional equipped for drawout breaker
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking

(padlocks excluded)





A communication option and various auxiliaries and accessories may also be added.

Auxiliaries and accessories:
- for fixed devices: see page A2
- for drawout devices: see page A4
- for fixed or drawout devices: see page A7

Switch-disconnector version: see page A9

Source changeover assembly: see page C3

	In (Amp. at 40°C)	Icu (kA @ 220/415V)	Icw (1 sec.)	Fixed		Drawout	
				3 Pole	4 Pole	3 Pole	4 Pole
Type H1				*Price ($)*	*Price ($)*	*Price ($)*	*Price ($)*
NT06	630	42	42	*6,575.00*	*8,416.10*	*8,137.60*	*10,417.20*
NT08	800	42	42	*6,852.90*	*8,858.70*	*8,565.90*	*10,965.60*
NT10	1000	42	42	*7,265.00*	*9,391.20*	*8,991.00*	*11,624.10*
NT12	1250	42	42	*8,223.50*	*10,632.50*	*10,178.00*	*13,158.30*
NT16	1600	42	42	*8,910.30*	*11,517.90*	*10,525.00*	*14,255.20*
Type H2							
NT06	630	50	36	*6,641.30*	*9,351.40*	*8,301.80*	*11,157.80*
NT08	800	50	36	*6,991.10*	*9,844.10*	*8,738.40*	*11,745.30*
NT10	1000	50	36	*8,151.90*	*10,433.60*	*9,172.90*	*11,856.50*
NT12	1250	50	36	*8,809.80*	*11,813.70*	*10,383.90*	*13,423.20*
NT16	1600	50	36	*9,544.20*	*12,797.00*	*11,138.00*	*14,542.20*

Micrologic control unit

Price adder to basic breaker above		Price adder (S$)
"Ammeter" A	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 A	selective protection	*785.40*
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
"Energy meter" E	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 E	selective protection	*1,601.40*
Micrologic 6.0 E	selective + earth-fault protection	*3,068.20*
"Power meter" P	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.60*

NT06 to NT16
fixed circuit breakers
Connections and indication contacts

Unit price (excl. GST) in Singapore Dollars

Front connection

Price adder to basic breaker with horizontal connection		3 Pole	4 Pole
630/1600 A	Top	*162.20*	*203.00*
	Bottom	*162.20*	*203.00*

Front connection accessories

Vertical connection adapters 630/1600A

		Price ($)
3P (3 parts)	**33642**	*822.20*
4P (4 parts)	**33643**	*1,022.80*

Cable lug adapter 630/1600A

		Price ($)
3P (3 parts)	**33644**	*494.70*
4P (4 parts)	**33645**	*664.40*

Interphase barriers

		Price ($)
3P/4P top (3 parts)	**33648**	*102.00*
3P/4P bottom (3 parts)	**33648**	*102.00*

Common accessories for front and rear connections

				Price ($)
Spreaders	630/1600 A	3P	**33622**	*483.50*
		4P	**33623**	*648.90*

For front and horizontal rear connection

Indication contacts

ON/OFF indication contacts (OF)

		Price ($)
1 low-level OF to replace 1 standard OF (4 max.)	**47339**	*131.60*

Fault trip indication contacts (SDE)

		Price ($)
1 additional SDE (5 A - 240 V)	**47340**	*176.50*
1 additional low-level SDE	**47341**	*176.50*

Programmable contacts (*) (programmed via Micrologic control unit)

M2C

M6C

		Price ($)
2 contacts (M2C) (5 A - 240 V)	**47403**	*264.20*
6 changeover contacts (M6C) (5 A - 240 V) *(1)*	**47404**	*701.80*

(*) for use Micrologic control units P and H only.

(1) External 24VDC power supply required.

Life Is On Schneider Electric

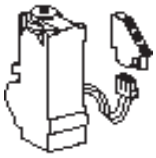
NT06 to NT16
fixed circuit breakers (cont.)
Remote operation

Unit price (excl. GST) in Singapore Dollars

Remote ON/OFF

Gear motor

E46436



	Voltage	MCH	Price ($)
AC 50/60 Hz	48 V	**47391**	*2,821.00*
	100-130 V	**47395**	*2,821.00*
	200-240 V	**47396**	*2,821.00*
	277-415 V	**47398**	*2,821.00*
	440-480 V	**47400**	*2,821.00*
DC	24-30 V	**47390**	*2,821.00*
	48-60 V	**47391**	*2,821.00*
	100-130 V	**47392**	*2,821.00*
	200-250 V	**47393**	*2,821.00*

Instantaneous voltage releases

E46437

		Closing release		Opening release	
Standard	Voltage	XF	Price ($)	MX	Price ($)
AC 50/60 Hz	12 V DC	**47349**	*289.00*	**47359**	*289.00*
DC	24-30 V DC, 24 V AC	**47350**	*289.00*	**47360**	*289.00*
	48-60 V DC, 48 V AC	**47351**	*289.00*	**47361**	*289.00*
	100-130 V	**47352**	*289.00*	**47362**	*289.00*
	200-250 V	**47353**	*289.00*	**47363**	*289.00*
	277 V AC	**47354**	*289.00*	**47364**	*289.00*
	380-480 V AC	**47355**	*289.00*	**47365**	*289.00*
Communicating *(1)*	Voltage	XF com		MX com	
AC 50/60 Hz	12 V DC	**47310**	*480.00*	**47320**	*480.00*
DC	24-30 V DC, 24 V AC	**47311**	*480.00*	**47321**	*480.00*
	48-60 V DC, 48 V AC	**47312**	*480.00*	**47322**	*480.00*
	100-130 V	**47313**	*480.00*	**47323**	*480.00*
	200-250 V	**47314**	*480.00*	**47324**	*480.00*
(1) Used with	277 V AC	**47315**	*480.00*	**47325**	*480.00*
communication option	380-480 V AC	**47316**	*480.00*	**47326**	*480.00*

Ready to close contact (1 max.)

E46438

	PF	Price ($)
1 changeover contact (5 A - 240 V)	**47342**	*277.50*
1 low-level changeover contact	**47343**	*277.50*

Electrical closing pushbutton

E46439

1 pushbutton	**47512**	*189.80*

Used with XF com is compulsory.

Remote reset after fault trip

E46660

Electrical reset	**Res**	*Price ($)*
110-130 V AC	**47344**	*483.50*
220-240 V AC	**47345**	*483.50*
Automatic reset	**RAR**	
Adaptation	**47346**	*(*)*

(*) No charge. Done during workshop assembly

Remote tripping

Instantaneous voltage release

E46437

	Voltage	2nd MX or	Price ($)	MN	Price ($)
AC 50/60 Hz	12 V DC	**47369**	*289.00*		
DC	24-30 V DC, 24 V AC	**47370**	*289.00*	**47380**	*289.00*
	48-60 V DC, 48 V AC	**47371**	*289.00*	**47381**	*289.00*
	100-130 V	**47372**	*289.00*	**47382**	*289.00*
	200-250 V	**47373**	*289.00*	**47383**	*289.00*
	277 V AC	**47374**	*289.00*		
	380-480 V AC	**47375**	*289.00*	**47385**	*289.00*

MN delay unit

E46694

	Voltage	**R** (non-adjustable)		**Rr** (adjustable)	
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous voltage releases (MN)

NT06 to NT16
drawout circuit breakers
Connections, locking & accessories

Unit price (excl. GST) in Singapore Dollars

Connections

Chassis front connection

E46440

Price adder to basic breaker with horizontal connection		3 Pole	4 Pole
630/1600 A	Top	*162.20*	*203.00*
	Bottom	*162.20*	*203.00*

Chassis rear connection

			Price ($)
Interphase barriers	3P/4P (3 parts)	**33768**	*107.10*

Common accessories for front and rear connection

E46431

				Price ($)
Spreaders	630/1600 A	3P	**33622**	*483.50*
		4P	**33623**	*648.90*

For front and horizontal rear connection.

Chassis locking

"Disconnected" position locking

			Price ($)
By Profalux keylocks			
	1 lock with 1 key + adaptation kit	**33773**	*354.40*
	2 locks 1 key + adaptation kit	**33774**	*708.70*
	2 locks 2 different keys + adaptation kit	**33775**	*708.70*
By Ronis keylocks			
	1 lock with 1 key + adaptation kit	**33776**	*339.90*
	2 locks 1 key + adaptation kit	**33777**	*678.80*
	2 locks 2 different keys + adaptation kit	**33778**	*678.80*

Door interlock (1 part)

E46464

		Price ($)
Right-hand side of chassis (VPECD)	**33786**	*250.30*
Left-hand side of chassis (VPECG)	**33787**	*250.30*

Racking interlock

		Price ($)
Racking interlock (VPOC)	**33788**	*210.20*

Breaker mismatch protection

		Price ($)
Breaker mismatch protection (VDC)	**33767**	*369.80*

Chassis accessories

Auxiliary terminal shield (CB)

		Price ($)
3P	**33763**	*113.30*
4P	**33764**	*132.90*

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NT06 to NT16
drawout circuit breakers (cont.)
Indication contacts

Unit price (excl. GST) in Singapore Dollars

Electrical auxiliaries

ON/OFF indication contacts (OF)

		Price ($)
1 low-level OF to replace 1 standard OF (4 max.)	**33806**	*521.20*

Fault trip indication contacts (SDE)

		Price ($)
1 additional SDE (5 A - 240 V)	**47430**	*176.50*
1 additional low-level SDE	**47431**	*176.50*

Programmable contacts (*) (programmed via Micrologic control unit)

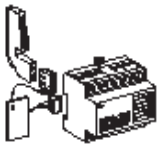
E46686

M2C

		Price ($)
2 contacts M2C (5 A - 240 V)	**47483**	*264.20*
6 changeover contacts M6C (5 A - 240 V) (1)	**47484**	*701.80*

(*) for Micrologic control units P and H only.
(1) External 24VDC power supply required.

E46687



M6C

Carriage switches (connected / disconnected / test position)

E46661

		Price ($)
Changeover contacts (6A - 240 V)		
1 connected position contact (3 max.)	**33751**	*101.00*
1 test position contact (1 max.)	**33752**	*101.00*
1 disconnected position contact (2 max.)	**33753**	*101.00*
And/or low-level changeover contacts		
1 connected position contact (3 max.)	**33754**	*101.00*
1 test position contact (1 max.)	**33755**	*101.00*
1 disconnected position contact (2 max.)	**33756**	*101.00*

Auxiliary terminals for chassis alone

		Price ($)
3 wire terminal (30 parts)	**47071**	*590.20*
6 wire terminal (10 parts)	**47072**	*590.20*
Jumpers (10 parts)	**47900**	*45.40*

Communications Option

		Price ($)
ULP(L=3M)	**LV434197**	*56.13*
ULP(L=1.3M)	**LV434196**	*28.07*
IFE ethernet	**LV434010**	*1,049.00*
IFE Ethernet + Function	**LV434011**	*1,599.00*
IFM Modbus RS485	**TRV00210**	*430.20*
FDM 121	**TRV00121**	*639.10*
ULP termination	**TRV00880**	*57.20*
ULP RJ45 Cable(L=1M)	**TRV00810**	*102.00*
ULP RJ45 Cable(L=5M)	**TRV00850**	*65.60*
Comm module for Fixed breaker	**47405**	*1,601.40*
Comm module for Drawout breaker	**47485**	*1,601.40*
I/O application module(For drawout breaker chassis)	**LV434063**	*1,049.00*

NT06 to NT16
drawout circuit breakers (cont.)
Remote operation

Unit price (excl. GST) in Singapore Dollars

Remote ON/OFF

Gear motor

E46662

	Voltage	MCH	Price ($)
AC 50/60 Hz	48 V	**47461**	*2,821.00*
	100-130 V	**47465**	*2,821.00*
	200-240 V	**47466**	*2,821.00*
	277-415 V	**47468**	*2,821.00*
	440-480 V	**47470**	*2,821.00*
DC	24-30 V	**47460**	*2,821.00*
	48-60 V	**47461**	*2,821.00*
	100-130 V	**47462**	*2,821.00*
	200-250 V	**47463**	*2,821.00*

Instantaneous voltage release

		Closing release		Opening release	
Standard	Voltage	XF	Price ($)	MX	Price ($)
AC 50/60 Hz	12 V DC	**47439**	*289.00*	**33809**	*289.00*
DC	24-30 V DC, 24 V AC	**47440**	*289.00*	**33810**	*289.00*
	48-60 V DC, 48 V AC	**47441**	*289.00*	**33811**	*289.00*
	100-130 V	**47442**	*289.00*	**33812**	*289.00*
	200-250 V	**47443**	*289.00*	**33813**	*289.00*
	277 V AC	**47444**	*289.00*	**33814**	*289.00*
	380-480 V AC	**47445**	*289.00*	**33815**	*289.00*
Communicating (1)		**XF com**		**MX com**	
AC 50/60 Hz	12 V DC	**47411**	*480.00*	**33791**	*480.00*
DC	24-30 V DC, 24 V AC	**47412**	*480.00*	**33792**	*480.00*
	48-60 V DC, 48 V AC	**47413**	*480.00*	**33793**	*480.00*
	100-130 V	**47414**	*480.00*	**33794**	*480.00*
	200-250 V	**47415**	*480.00*	**33795**	*480.00*
(1) Used with	277 V AC	**47416**	*480.00*	**33796**	*480.00*
communication option	380-480 V AC	**47417**	*480.00*	**33797**	*480.00*

Ready to close contact (1 max.)

E46664

	PF	Price ($)
1 changeover contact (5 A - 240 V)	**47432**	*277.50*
1 low-level changeover contact	**47433**	*277.50*

Electrical closing pushbutton

E46439

	BPFE	Price ($)
1 pushbutton	**47512**	*189.80*

Used with XF com is compulsory.

Remote reset after fault trip

E46660

Electrical reset	RES	Price ($)
110-130 V AC	**47434**	*483.50*
220-240 V AC	**47435**	*483.50*

Remote tripping

Instantaneous voltage release

E46663

	Voltage	2nd MX or	Price ($)	MN	Price ($)
AC 50/60 Hz	12 V DC	**47449**	*289.00*		
DC	24-30 V DC, 24 V AC	**47450**	*289.00*	**33819**	*289.00*
	48-60 V DC, 48 V AC	**47451**	*289.00*	**33820**	*289.00*
	100-130 V	**47452**	*289.00*	**33821**	*289.00*
	200-250 V	**47453**	*289.00*	**33822**	*289.00*
	277 V AC	**47454**	*289.00*		
	380-480 V AC	**47455**	*289.00*	**33824**	*289.00*

MN delay unit

	Voltage	R (non-adjustable)		Rr (adjustable)	
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous voltage releases (MN)

Life Is On Schneider Electric

Accessories for NT06 to NT16
fixed or drawout circuit breakers

Unit price (excl. GST) in Singapore Dollars

Circuit breaker locking

Pushbutton locking device

			Price ($)
By padlocks		**33897**	*136.00*

OFF position locking

E46666

By padlocks + BPFE support			Price ($)
		47514	*145.90*
By keylocks + BPFE support			
Profalux	1 lock	**47519**	*386.60*
	1 lock + 1 lock with same key profile	**47520**	*774.20*
Ronis	1 lock	**47521**	*386.60*
	1 lock + 1 lock with same key profile	**47522**	*774.20*
Locking kit without locks for	Profalux	**47515**	*730.40*
	Ronis	**47516**	*145.90*
	Kirk	**47517**	*730.40*
	Castell	**47518**	*1,169.00*

Other circuit breaker accessories

Mechanical operation counter

		Price ($)
operation counter CDM	**33895**	*590.20*

Escutcheon and accessories

E46668

Escutcheon

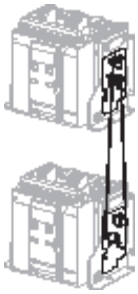
Cover

Blanking plate

	Fixed	Price ($)	Drawout	Price ($)
Escutcheon	**33718**	*81.40*	**33857**	*112.30*
Transparent cover (IP 54)			**33859**	*929.10*
Escutcheon blanking plate			**33858**	*185.40*

Mechanical interlocking for source changeover

Interlocking using connecting rods



Complete assembly with 2 adaptation fixtures + rods		Price ($)
2 Masterpact NT fixed devices	**33912**	*1,682.00*
2 Masterpact NT drawout devices	**33913**	*1,698.50*

Interlocking using cables (*)

Choose 2 adaptation fixtures (1 for each breaker) + 1 set of cables		Price ($)
1 adaptation fixture for Masterpact NT fixed devices	**33200**	*730.40*
1 adaptation fixture for Masterpact NT drawout devices	**33201**	*730.40*
1 set of 2 cables	**33209**	*312.20*

(*) Can be used with any combination of NT or NW, fixed or drawout devices.

Cable-type door interlock

1 complete assembly for Masterpact NT fixed devices	**33920**	*1,476.00*
1 complete assembly for Masterpact NT drawout devices	**33921**	*1,519.80*

Accessories for NT06 to NT16
fixed or drawout circuit breakers (cont.)

Unit price (excl. GST) in Singapore Dollars

Accessories for Micrologic control units

External sensors

External sensors for earth-leakage protection (TCE)		Price ($)
Sensor rating 400/1600 A (for Micrologic P and H with 3P devices)	**33576**	*1,770.60*

Source ground return (SGR) earth fault protection		Price ($)
External sensor (SGR)	**33579**	*2,006.50*
MDGF summing module	**48891**	*2,588.80*

Voltage measurement input (for breakers supplied via bottom terminals)			Price ($)
Voltage measurement input	Fixed	**47506**	*291.80*
	Drawout	**47507**	*291.80*

External power supply module (AD)

		Price ($)
24-30 V DC	**54440**	*1,314.10*
48-60 V DC	**54441**	*1,314.10*
100-125 V DC	**54442**	*1,314.10*
110-130 V AC	**54443**	*672.70*
200-240 V AC	**54444**	*672.70*
380-415 V AC	**54445**	*672.70*

Battery module (BAT)

		Price ($)
1 battery 24V	**54446**	*1,974.51*

Test equipment

Mini test kit

		Price ($)
Hand held test kit (HHTK)	**33594**	*3,151.50*

NT06 to NT16
fixed and drawout switch-disconnectors

Unit price (excl. GST) in Singapore Dollars

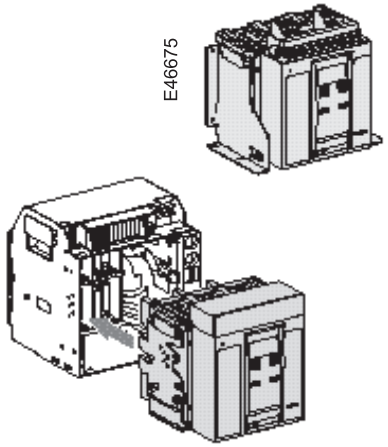
NT switch-disconnectors

A Masterpact NT switch-disconnector consist of:
- a basic switch-disconnector
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)

	In (A at 40°C)	Icm (kA @ 220/440V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3 Pole	4 Pole	3 Pole	4 Pole
Type HA					*Price ($)*	*Price ($)*	*Price ($)*	*Price ($)*
NT06	630	75	36	20	*5,249.00*	*7,090.10*	*6,586.20*	*8,888.30*
NT08	800	75	36	20	*5,594.70*	*7,532.70*	*7,018.70*	*9,442.20*
NT10	1000	75	36	20	*6,010.90*	*8,065.20*	*7,538.90*	*10,107.20*
NT12	1250	75	36	20	*6,978.90*	*9,306.50*	*8,749.60*	*11,656.60*
NT16	1600	75	36	20	*7,672.50*	*10,191.90*	*9,103.50*	*12,764.30*

Additional equipped for drawout devices
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking

(padlocks excluded)



A communication option and various auxiliaries and accessories may also be added.

Auxiliaries and accessories:
- for fixed devices: see page A2
- for drawout devices: see page A4
- for fixed or drawout devices: see page A7

Switch-disconnector version: see page A9
Source changeover assembly: see page C3

Masterpact NW: price list NW08 to NW63
fixed and drawout circuit breakers

Unit price (excl. GST) in Singapore Dollars

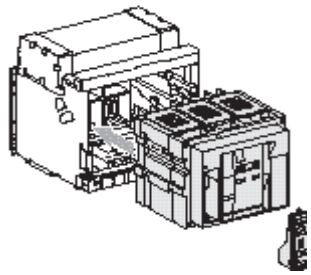
NW circuit breaker

A Masterpact NW circuit breaker consist of:
- a basic circuit breaker
- a Micrologic 2.0A/E control unit
- horizontal connections for both top and bottom
  (NW63 has vertical connection only)
- 4 auxiliary contacts (4OF)
- 1 trip indication contact (SDE)

Additional equipped for drawout breaker
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking

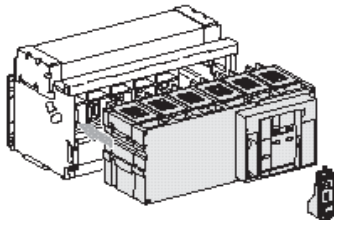
(padlocks excluded)

E46448



Basic drawout circuit breaker <4000 A

E46449



Basic drawout circuit breaker > 4000 A

A communication option and various auxiliaries and accessories may also be added.

Auxiliaries and accessories:
- for fixed devices: see Page A2
- for drawout devices: see page A4
- for fixed or drawout devices: see page A7

Switch-disconnector version: see page A18
Source changeover assembly: see page C4

	In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3 Pole	4 Pole	3 Pole	4 Pole
Type N1					*Price ($)*	*Price ($)*	*Price ($)*	*Price ($)*
NW08	800	42/42	42	22	*7,284.90*	*9,324.90*	*9,106.60*	*11,657.60*
NW10	1000	42/42	42	22	*7,723.50*	*9,884.90*	*9,653.30*	*12,356.30*
NW12	1250	42/42	42	22	*8,742.50*	*11,191.50*	*10,928.30*	*13,988.30*
NW16	1600	42/42	42	22	*9,471.80*	*12,123.80*	*11,300.60*	*15,154.20*
Type H1								
NW08	800	65/65	65	36	*7,359.30*	*10,362.20*	*9,018.00*	*12,121.00*
NW10	1000	65/65	65	36	*8,580.30*	*10,983.40*	*9,560.00*	*12,236.00*
NW12	1250	65/65	65	36	*9,271.80*	*12,433.80*	*10,822.00*	*13,853.00*
NW16	1600	65/65	65	36	*10,045.00*	*13,470.20*	*11,724.00*	*15,007.00*
NW20	2000	65/65	65	36	*10,414.20*	*15,543.80*	*13,527.00*	*17,316.00*
NW25	2500	65/65	65	65	*13,885.30*	*17,773.50*	*18,038.00*	*23,087.00*
NW32	3200	65/65	65	65	*16,662.80*	*21,328.20*	*20,420.00*	*26,138.00*
NW40	4000	65/65	65	65	*24,994.10*	*31,992.30*	*30,630.00*	*39,206.00*
NW40b	4000	100/100	100	100	*34,713.70*	*44,434.30*	*42,967.50*	*54,453.00*
NW50	5000	100/100	100	100	*55,542.10*	*71,094.00*	*68,746.70*	*87,125.00*
NW63	6300	100/100	100	100	*69,427.40*	*88,867.50*	*85,933.90*	*108,906.00*
Type H2								
NW08	800	100/100	85	50	*9,090.30*	*12,190.10*	*11,246.00*	*14,260.00*
NW10	1000	100/100	85	50	*10,095.00*	*12,921.40*	*11,671.00*	*15,115.00*
NW12	1250	100/100	85	50	*11,428.10*	*14,627.90*	*12,732.00*	*17,112.00*
NW16	1600	100/100	85	50	*12,380.80*	*15,847.80*	*13,793.00*	*17,655.00*
NW20	2000	100/100	85	75	*12,252.30*	*18,286.60*	*17,507.00*	*21,390.00*
NW25	2500	100/100	85	75	*16,336.40*	*20,910.00*	*20,020.00*	*25,625.00*
NW32	3200	100/100	85	75	*19,603.40*	*25,092.00*	*24,023.00*	*30,750.00*
NW40	4000	100/100	85	75	*29,404.60*	*37,638.00*	*36,395.40*	*46,586.30*
NW40b	4000	150/150	100	100	*40,839.80*	*52,275.00*	*51,050.00*	*65,344.30*
NW50	5000	150/150	100	100	*65,344.30*	*83,640.00*	*80,878.80*	*103,525.00*
NW63	6300	150/150	100	100	*81,679.60*	*104,550.00*	*101,099.00*	*129,406.30*

Micrologic control unit

Price adder to basic breaker above		*Price adder (S$)*
"Ammeter" A	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 A	selective protection	*785.40*
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
"Energy meter" E	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 E	selective protection	*1,601.40*
Micrologic 6.0 E	selective + earth-fault protection	*3,068.20*
"power meter" P	**(Factory assembled only. Order separately is strictly prohibited.)**	
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.60*

Life Is On Schneider Electric

NW08 to NW63
fixed circuit breakers
Connections and indication contacts

Unit price (excl. GST) in Singapore Dollars

Connection

Front connection

E46444

Price adder to basic breaker with horizontal connection		3 Pole	4 Pole
800/1600 A	Top	*416.20*	*553.90*
	Bottom	*416.20*	*553.90*
2000 A	Top	*416.20*	*553.90*
	Bottom	*416.20*	*553.90*
2500/3200 A	Top	*833.30*	*1,109.80*
	Bottom	*833.30*	*1,109.80*

Rear connection accessories

E46428

			Price ($)
Interphase barries	3P/4P (3 parts)	**48599**	*269.70*

Indication contacts

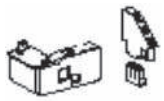
ON/OFF indication contacts (OF)

E46432

		Price ($)
1 additional block of 4 contacts (2 max.)	**48198**	*535.30*

Fault trip indication contacts (SDE)

E46665



		Price ($)
1 additional SDE (5 A - 240 V)	**48200**	*178.80*
1 additional low-level SDE	**48201**	*178.80*

Programmable contacts (*) (programmed via Micrologic control unit)

E46434

M2C

E46434

M6C

		Price ($)
2 contacts M2C (5 A - 240 V)	**47403**	*264.20*
6 changeover contacts M6C (5 A - 240 V) *(1)*	**47404**	*701.80*

(*) for Micrologic control units P and H only.

(1) External 24VDC supply required

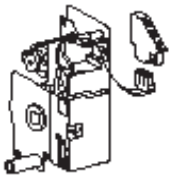
NW08 to NW63
fixed circuit breakers (cont.)
Remote operation

Unit price (excl. GST) in Singapore Dollars

Remote ON/OFF

Gear motor

E46447



	Voltage	MCH	Price ($)
AC 50/60 Hz	48 V	**48207**	*2,905.80*
	100-130 V	**48211**	*2,905.80*
	200-240 V	**48212**	*2,905.80*
	250-277 V	**48213**	*2,905.80*
	380-415 V	**48214**	*2,905.80*
	440-480 V	**48215**	*2,905.80*
DC	24-30 V	**48206**	*2,905.80*
	48-60 V	**48207**	*2,905.80*
	100-130 V	**48208**	*2,905.80*
	200-250 V	**48209**	*2,905.80*

Instantaneous voltage releases

E46437

		Closing release		Opening release	
Standard	Voltage	**XF**	*Price ($)*	**MX**	*Price ($)*
AC 50/60 Hz	12 V DC	**47349**	*289.00*	**47359**	*289.00*
DC	24-30 V DC, 24 V AC	**47350**	*289.00*	**47360**	*289.00*
	48/60 V DC, 48 V AC	**47351**	*289.00*	**47361**	*289.00*
	100-130 V	**47352**	*289.00*	**47362**	*289.00*
	200-250 V	**47353**	*289.00*	**47363**	*289.00*
	277 V AC	**47354**	*289.00*	**47364**	*289.00*
	380-480 V AC	**47355**	*289.00*	**47365**	*289.00*
Communicating (1)	Voltage	**XF com**		**MX com**	
AC 50/60 Hz	12 V DC	**47310**	*480.00*	**47320**	*480.00*
DC	24-30 V DC, 24 V AC	**47311**	*480.00*	**47321**	*480.00*
	48-60 V DC, 48 V AC	**47312**	*480.00*	**47322**	*480.00*
	100-130 V	**47313**	*480.00*	**47323**	*480.00*
(1) Used with	200-250 V	**47314**	*480.00*	**47324**	*480.00*
communication	277 V AC	**47315**	*480.00*	**47325**	*480.00*
option	380-480 V AC	**47316**	*480.00*	**47326**	*480.00*

Ready to close contact (1 max.)

E46438

	PF	Price ($)
1 changeover contact (5 A - 240 V)	**47342**	*277.50*
1 low-level changeover contact	**47343**	*277.50*

Electrical closing pushbutton

E46677

	BPFE	Price ($)
1 pushbutton	**48534**	*195.90*

Used with XF com is compulsory.

Remote reset after fault trip

E46665

	RES	Price ($)
Electrical reset		
110-130 V AC	**48202**	*496.80*
220-240 V AC	**48203**	*496.80*
Automatic reset	**RAR**	
Adaptation		*(*)*

(*) No charge. Done during workshop assembly

Remote tripping

Instantaneous voltage release

E46437

	Voltage	2nd MX or	Price ($)	MN	Price ($)
AC 50/60 Hz	12 V DC	**47369**	*289.00*		
DC	24-30 V DC, 24 V AC	**47370**	*289.00*	**47380**	*289.00*
	48-60 V DC, 48 V AC	**47371**	*289.00*	**47381**	*289.00*
	100-130 V	**47372**	*289.00*	**47382**	*289.00*
	200-250 V	**47373**	*289.00*	**47383**	*289.00*
	277 V AC	**47374**	*289.00*		
	380-480 V AC	**47375**	*289.00*	**47385**	*289.00*

MN delay unit

	Voltage	**R** (non-adjustable)		**Rr** (adjustable)	
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous under-voltage releases (MN)

NW08 to NW63
drawout circuit breakers
Chassis connection; locking and accessories

Unit price (excl. GST) in Singapore Dollars

Chassis front connection

Price adder to basic breaker with horizontal connection		3 Pole	4 Pole
800/1600 A	Top	*416.20*	*553.90*
	Bottom	*416.20*	*553.90*
2000 A	Top	*416.20*	*553.90*
	Bottom	*416.20*	*553.90*
2500/3200 A	Top	*833.30*	*1,109.80*
	Bottom	*833.30*	*1,109.80*

Chassis rear connection accessories

Interphase barriers			*Price ($)*
3P/4P (3 parts)		**48600**	*269.70*

Chassis locking

Disconnected position locking

By Profalux keylocks			*Price ($)*
Profalux	1 lock with 1 key + adaptation kit	**48568**	*361.10*
	2 locks 1 key + adaptation kit	**48569**	*723.20*
	2 locks 2 different keys + adaptation kit	**48570**	*723.20*
By Ronis keylocks			
Ronis	1 lock with 1 key + adaptation kit	**48572**	*345.80*
	2 locks 1 key + adaptation kit	**48573**	*692.60*
	2 locks 2 different keys + adaptation kit	**48574**	*692.60*

Door interlock (1 part)

		Price ($)
Right-hand side of chassis	**48579**	*255.00*
Left-hand side of chassis	**48580**	*255.00*

Racking interlock

		Price ($)
1 part	**48582**	*214.20*

Chassis accessories

Auxiliary terminal shield (CB)

			Price ($)
800/4000 A	3P	**48595**	*227.50*
	4P	**48596**	*300.90*
4000b/6300 A	3P	**48597**	*377.40*
	4P	**48598**	*447.50*

Shutter locking block (for remplacement)

		Price ($)
2 parts for 800/4000 A	**48591**	*122.40*

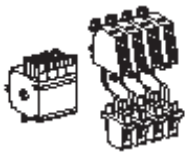
NW08 to NW63
drawout circuit breakers (cont.)
Indication contacts

Unit price (excl. GST) in Singapore Dollars

Electrical auxiliaries

ON/OFF indication contacts (OF)

E46689



		Price ($)
1 additional block of 4 contacts (2 max.)	**48468**	*535.30*

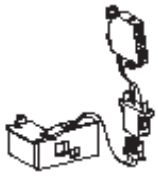
Combined closed / connected contacts for use with 1 auxiliary contact

E46690

		Price ($)
1 contact 5 A - 240V (8 max.)	**48477**	*180.60*
or 1 low-level contact (8 max.)	**48478**	*180.60*

Fault trip indication contacts (SDE)

E46691



		Price ($)
1 additional SDE (5 A - 240 V)	**48475**	*180.60*
or 1 additional low-level SDE	**48476**	*180.60*

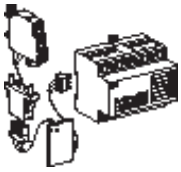
Programmable contacts (*) (programmed via Micrologic control unit)

E46703

M2C

		Price ($)
2 contacts M2C (5 A - 240 V)	**48382**	*272.40*

E46734



M6C

or 6 contacts M6C (5 A - 240 V)	**48383**	*723.20*

External 24V DC power supply required

(*) for Micrologic control units P and H only.

Carriage switches (connected / disconnected / test position)

E46661

Changeover contacts (8 A - 240V)		Price ($)
1 connected position contact (3 max.)	**33751**	*101.00*
1 test position contact (3 max.)	**33752**	*101.00*
1 disconnected position contact (3 max.)	**33753**	*101.00*
and/or low-level changeover contacts		
1 connected position contact (3 max.)	**33754**	*101.00*
1 test position contact (3 max.)	**33755**	*101.00*
1 disconnected position contact (3 max.)	**33756**	*101.00*
Actuator for additional carriage switches	**48560**	*105.10*

Auxiliary terminals for chassis alone

		Price ($)
3 wire terminal (30 parts)	**47898**	*601.80*
6 wire terminal (10 parts)	**47899**	*601.80*
Jumpers (10 parts)	**47900**	*45.40*

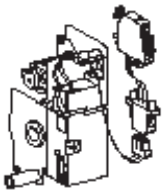
NW08 to NW63
drawout circuit breakers (cont.)
Remote operation

Unit price (excl. GST) in Singapore Dollars

Remote ON/OFF

Gear motor

E46692



		MCH	Price ($)
AC 50/60 Hz	48 V	**48522**	*2,905.80*
	100-130 V	**48526**	*2,905.80*
	200-240 V	**48527**	*2,905.80*
	250-277 V	**48528**	*2,905.80*
	380-415 V	**48529**	*2,905.80*
	440-480 V	**48530**	*2,905.80*
DC	24-30 V	**48521**	*2,905.80*
	48-60 V	**48522**	*2,905.80*
	100-130 V	**48523**	*2,905.80*
	200-250 V	**48524**	*2,905.80*

Instantaneous voltage releases

E46693

		Closing release		Opening release	
Standard		**XF**	*Price ($)*	**MX**	*Price ($)*
AC 50/60 Hz	12 V DC	**48480**	*289.00*	**48490**	*289.00*
DC	24-30 V DC, 24 V AC	**48481**	*289.00*	**48491**	*289.00*
	48-60 V DC, 48 V AC	**48482**	*289.00*	**48492**	*289.00*
	100-130 V	**48483**	*289.00*	**48493**	*289.00*
	200-250 V	**48484**	*289.00*	**48494**	*289.00*
	277 V AC	**48485**	*289.00*	**48495**	*289.00*
	380-480 V AC	**48486**	*289.00*	**48496**	*289.00*
Communicating (1)		**XF com**		**MX com**	
AC 50/60 Hz	12 V DC	**48448**	*480.00*	**48457**	*480.00*
DC	24-30 V DC, 24 V AC	**48449**	*480.00*	**48458**	*480.00*
	48-60 V DC, 48 V AC	**48450**	*480.00*	**48459**	*480.00*
	100-130 V	**48451**	*480.00*	**48460**	*480.00*
(1) Used with	200-250 V	**48452**	*480.00*	**48461**	*480.00*
communication	277 V AC	**48453**	*480.00*	**48462**	*480.00*
option	380-480 V AC	**48454**	*480.00*	**48463**	*480.00*

Ready to close contact (1 max.)

E46695

	PF	Price ($)
1 changeover contact (5 A - 240 V)	**48469**	*282.80*
1 low-level changeover contact	**48470**	*285.60*

Electrical closing pushbutton

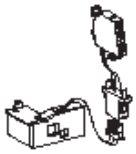
E46677

	BPFE	Price ($)
1 pushbutton	**48534**	*195.90*

Used with XF com is compulsory.

Remote reset after fault trip

E46691



Electrical reset	Res	Price ($)
110-130 V AC	**48472**	*496.80*
220-240 V AC	**48473**	*496.80*

Remote tripping

Instantaneous voltage release

E46693

	Voltage	2nd MX or	Price ($)	MN	Price ($)
AC 50/60 Hz	12 V DC	**48510**	*289.00*		
DC	24-30 V DC, 24 V AC	**48511**	*289.00*	**48501**	*289.00*
	48-60 V DC, 48 V AC	**48512**	*289.00*	**48502**	*289.00*
	100-130 V	**48513**	*289.00*	**48503**	*289.00*
	200-250 V	**48514**	*289.00*	**48504**	*289.00*
	277 V AC	**48515**	*289.00*		
	380-480 V AC	**48516**	*289.00*	**48506**	*289.00*

MN delay unit

	Voltage	R (non-adjustable)		Rr (adjustable)	
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous voltag releases (MN)

Accessories for NW08 to NW63
fixed and drawout circuit breakers

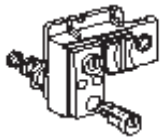
Unit price (excl. GST) in Singapore Dollars

Circuit breaker locking

Pushbutton locking device

		Price ($)
By padlocks	**48536**	*138.40*

OFF position locking



By padlocks			Price ($)
		48539	*76.50*
By Profalux keylocks			
Profalux	1 lock with 1key + adaptation kit	**48545**	*599.80*
	2 locks 1 key + adaptation kit	**48546**	*797.70*
	2 locks 2 different keys + adaptation kit	**48547**	*797.70*
By Ronis keylocks			
Ronis	1 lock with 1key + adaptation kit	**48549**	*377.40*
	2 locks 1 key + adaptation kit	**48550**	*752.80*
	2 locks 2 different keys + adaptation kit	**48551**	*752.80*

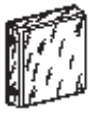
Other circuit breaker accessories

Mechanical operation counter

		Price ($)
Operation counter CDM	**48535**	*595.90*

Escutcheon and accessories

Escutcheon



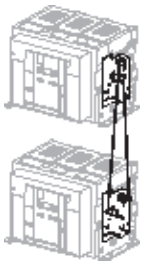
Cover

Blanking plate

	Fixed	Price ($)	Drawout	Price ($)
Escutcheon	**48601**	*238.40*	**48603**	*238.40*
Transparent cover IP 54			**48604**	*984.80*
Escutcheon blanking plate	**48605**	*300.90*	**48605**	*300.90*

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods



Complete assembly with 2 adaptation fixtures + rods		Price ($)
2 Masterpact NW fixed devices	**48612**	*1,732.00*
2 Masterpact NW drawout devices	**48612**	*1,732.00*

Can be used with 1 NW fixed + 1 NW drawout.

Interlocking of 2 devices using cables (*)

Choose 2 adaptation sets (1 for each device + 1 set of cables)		Price ($)
1 adaptation fixture for Masterpact NW fixed devices	**47926**	*745.40*
1 adaptation fixture for Masterpact NW drawout devices	**47926**	*745.40*
1 set of 2 cables	**33209**	*312.20*

(*) Can be used with any combination of NT or NW, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 3 adaptation (inclusing 3 adaptation fixtures + cables)		Price ($)
3 sources, only 1 device closed, fixed or drawout devices	**48610**	*3,162.00*
2 sources + 1 coupling, fixed or drawout devices	**48609**	*3,715.90*
2 normal + 1 replacement source, fixed or drawout devices	**48608**	*3,162.00*

Cable-type door interlock

		Price ($)
1 complete assembly for Masterpact NW fixed or drawout device	**48614**	*1,566.80*

Accessories for NW08 to NW63
fixed and drawout circuit breakers
(cont.)

Unit price (excl. GST) in Singapore Dollars

Accessories for Micrologic control units

External sensors

E46671

External sensor for earth-fault protection (TCE)			Price ($)
Sensor rating	400/2000 A (for NW08 - NW20)	**34035**	*1,622.90*
	1000/4000 A (for NW25 - NW40)	**34036**	*2,071.70*
	4000/6300 A (for NW40b, NW50, NW63)	**48182**	*4,024.90*

E46672

Rectangular sensor for earth-leakage protection			Price ($)
470 mm x 160 mm	IN max. 3200 A	**33574**	*4,675.70*

E46671

Source ground return (SGR) earth fault protection			Price ($)
External sensor (SGR)		**33579**	*2,006.50*
MDGF summing module		**48891**	*2,588.80*

E46890

Voltage measurement input (for breakers supplied via top terminals)			Price ($)
Voltage measurement input	Fixed	**47506**	*291.80*
	Drawout	**48533**	*298.00*

Long-time rating plug (limits setting range for higher accuracy)

E46674

			Price ($)
Standard	0.4 at 1 x Ir	**33542**	*73.50*
Low-setting option	0.4 at 0.8 x Ir	**33543**	*73.50*
High-setting option	0.8 at 1 x Ir	**33544**	*73.50*
Without long-time protection	off	**33545**	*73.50*

External power supply module

E47787

		Price ($)
24-30 V DC	**54440**	*1,314.10*
48-60 V DC	**54441**	*1,314.10*
100-125 V DC	**54442**	*1,314.10*
110-130 V AC	**54443**	*672.70*
200-240 V AC	**54444**	*672.70*
380-415 V AC	**54445**	*672.70*

Battery module

		Price ($)
1 24 V battery	**54446**	*1,974.51*

Communications Option

		Price ($)
ULP(L=3M)	**LV434197**	*56.13*
ULP(L=1.3M)	**LV434196**	*28.07*
IFE ethernet	**LV434010**	*1,049.00*
IFE Ethernet + Function	**LV434011**	*1,599.00*
IFM Modbus RS485	**TRV00210**	*430.20*
FDM 121	**TRV00121**	*639.10*
ULP termination	**TRV00880**	*57.20*
ULP RJ45 Cable(L=1M)	**TRV00810**	*102.00*
ULP RJ45 Cable(L=5M)	**TRV00850**	*65.60*
Comm module for Fixed breaker	**48188**	*1,649.40*
Comm module for Drawout breaker	**48384**	*1,649.40*
I/O application module (for drawout breaker chassis)	**LV434063**	*1,049.00*

Test equipment

Mini test kit

E59921

		Price ($)
	33594	*3,151.50*

Masterpact NW: price list NW08 to NW63

fixed and drawout switch-disconnectors

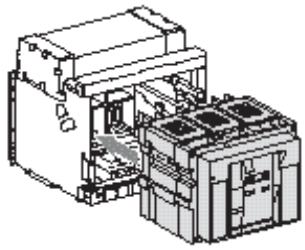
Unit price (excl. GST) in Singapore Dollars

NW switch-disconnector

A Masterpact NW switch-disconnector consists of:
- the basic switch-disconnector
- horizontal connections for both top and bottom (NW63 has vertical connection only)
- 4 auxiliary contacts (4 OF)

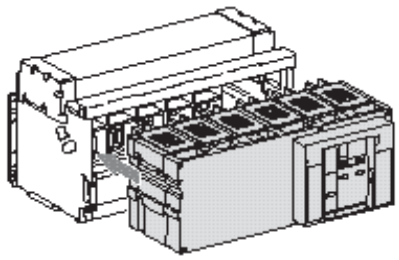
Additional equipped for drawout device
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking (padlocks excluded)

E46683



Basic switch-disconnector < 4000 A

E46684



Basic switch-disconnector > 4000 A

A communication option and various auxiliaries and accessories may also be added.

Auxiliaries and accessories:
- for fixed devices: see Page A2
- for drawout devices: see page A4
- for fixed or drawout devices: see page A7

Switch-disconnector version: see page A18

Source changeover assembly: see page C4

	In (A at 40°C)	Icm (kA @ 220/690V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3 Pole	4 Pole	3 Pole	4 Pole
Type NA					*Price ($)*	*Price ($)*	*Price ($)*	*Price ($)*
NW08	800	88	42	-	*5,958.90*	*7,998.90*	*7,780.60*	*10,331.60*
NW10	1000	88	42	-	*6,397.50*	*8,558.90*	*8,327.30*	*11,030.30*
NW12	1250	88	42	-	*7,416.50*	*9,865.50*	*9,602.30*	*12,662.30*
NW16	1600	88	42	-	*8,145.70*	*10,797.80*	*9,974.60*	*13,828.20*
Type HA								
NW08	800	105	50	36	*6,033.30*	*9,036.20*	*7,872.40*	*11,037.50*
NW10	1000	105	50	36	*7,254.30*	*9,657.40*	*8,425.20*	*11,154.80*
NW12	1250	105	50	36	*7,945.80*	*11,107.80*	*9,712.50*	*12,804.10*
NW16	1600	105	50	36	*8,719.00*	*12,144.20*	*10,632.50*	*13,981.20*
NW20	2000	105	50	36	*9,088.20*	*14,217.80*	*12,471.60*	*16,336.40*
NW25	2500	121	55	55	*12,559.30*	*16,447.50*	*17,072.80*	*22,222.80*
NW32	3200	121	55	55	*15,336.80*	*20,002.20*	*19,502.40*	*25,334.80*
NW40	4000	121	55	55	*23,668.10*	*30,666.30*	*29,916.60*	*38,664.20*
NW40b	4000	187	85	85	*33,387.70*	*43,108.30*	*42,066.90*	*54,216.10*
NW50	5000	187	85	85	*54,216.10*	*69,768.00*	*68,101.40*	*87,541.50*
NW63	6300	187	85	85	*68,101.40*	*87,541.50*	*85,458.70*	*109,758.20*
Type HF								
NW08	800	187	85	50	*7,104.30*	*10,107.20*	*8,943.40*	*12,108.50*
NW10	1000	187	85	50	*8,325.30*	*10,728.40*	*9,496.20*	*12,225.80*
NW12	1250	187	85	50	*9,016.80*	*12,178.80*	*10,783.50*	*13,875.10*
NW16	1600	187	85	50	*9,790.00*	*13,215.20*	*11,703.50*	*15,052.20*
NW20	2000	187	85	75	*10,159.20*	*15,288.80*	*13,542.60*	*17,407.40*
NW25	2500	187	85	75	*13,630.00*	*17,518.50*	*18,143.80*	*23,293.80*
NW32	3200	187	85	75	*16,407.70*	*21,073.20*	*20,573.40*	*26,405.80*
NW40	4000	187	85	75	*24,739.10*	*31,737.30*	*30,987.60*	*39,735.20*

Note: For NW accessories, please refer to 'NW08 to NW63 Accessories'

Life Is On Schneider Electric

MVS08 to MVS40
Fixed and drawout circuit breakers

Unit price (excl. GST) in Singapore Dollars

MVS circuit breaker

A EasyPact MVS circuit breaker consist of:
- a basic circuit breaker
- a ET2I control unit
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)
- 1 trip indication contact (SDE)

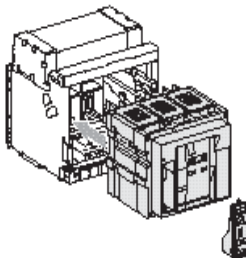
In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed (Manual) 3 Pole		Fixed (Manual) 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	65/65	65	36	MVS08H3MF2L	*4,691.00*	MVS08H4MF2L	*5,905.00*
1000	65/65	65	36	MVS10H3MF2L	*4,851.00*	MVS10H4MF2L	*6,065.00*
1250	65/65	65	36	MVS12H3MF2L	*4,971.00*	MVS12H4MF2L	*6,185.00*
1600	65/65	65	36	MVS16H3MF2L	*5,081.00*	MVS16H4MF2L	*6,295.00*
2000	65/65	65	36	MVS20H3MF2L	*6,651.00*	MVS20H4MF2L	*7,865.00*
2500	65/65	65	36	MVS25H3MF2L	*7,591.00*	MVS25H4MF2L	*10,897.00*
3200	65/65	65	36	MVS32H3MF2L	*10,091.00*	MVS32H4MF2L	*13,397.00*
4000	65/65	65	36	MVS40H3MF2L	*15,195.00*	MVS40H4MF2L	*18,879.00*

Additional equipped for drawout breaker
- chassis with safety shutter
- door frame
- disconnected position locking (padlocks excluded)

				Drawout (Manual) 3 Pole		Drawout (Manual) 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	65/65	65	36	MVS08H3MW2L	*5,953.00*	MVS08H4MW2L	*7,549.00*
1000	65/65	65	36	MVS10H3MW2L	*6,113.00*	MVS10H4MW2L	*7,709.00*
1250	65/65	65	36	MVS12H3MW2L	*6,233.00*	MVS12H4MW2L	*7,829.00*
1600	65/65	65	36	MVS16H3MW2L	*6,343.00*	MVS16H4MW2L	*7,939.00*
2000	65/65	65	36	MVS20H3MW2L	*7,913.00*	MVS20H4MW2L	*9,509.00*
2500	65/65	65	36	MVS25H3MW2L	*9,853.00*	MVS25H4MW2L	*13,200.00*
3200	65/65	65	36	MVS32H3MW2L	*12,903.00*	MVS32H4MW2L	*16,881.00*
4000	65/65	65	36	MVS40H3MW2L	*18,277.00*	MVS40H4MW2L	*23,723.00*

Additional equipped for electrically operated breaker
- gear motor on/off mechanism (MCH)
- closing release (XF)
- opening release (MX)

				Fixed (Electrical) (1) 3 Pole		Fixed (Electrical) (1) 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	65/65	65	36	MVS08H3NF2L	*7,668.00*	MVS08H4NF2L	*8,882.00*
1000	65/65	65	36	MVS10H3NF2L	*7,828.00*	MVS10H4NF2L	*9,042.00*
1250	65/65	65	36	MVS12H3NF2L	*8,058.00*	MVS12H4NF2L	*9,162.00*
1600	65/65	65	36	MVS16H3NF2L	*9,209.00*	MVS16H4NF2L	*9,272.00*
2000	65/65	65	36	MVS20H3NF2L	*9,628.00*	MVS20H4NF2L	*10,842.00*
2500	65/65	65	36	MVS25H3NF2L	*10,568.00*	MVS25H4NF2L	*13,874.00*
3200	65/65	65	36	MVS32H3NF2L	*13,068.00*	MVS32H4NF2L	*16,374.00*
4000	65/65	65	36	MVS40H3NF2L	*18,172.00*	MVS40H4NF2L	*21,856.00*



Basic drawout circuit breaker <4000 A

				Drawout (Electrical) (1) 3 Pole		Drawout (Electrical) (1) 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	65/65	65	36	MVS08H3NW2L	*8,951.00*	MVS08H4NW2L	*10,547.00*
1000	65/65	65	36	MVS10H3NW2L	*9,111.00*	MVS10H4NW2L	*10,707.00*
1250	65/65	65	36	MVS12H3NW2L	*9,231.00*	MVS12H4NW2L	*10,827.00*
1600	65/65	65	36	MVS16H3NW2L	*9,341.00*	MVS16H4NW2L	*10,937.00*
2000	65/65	65	36	MVS20H3NW2L	*10,911.00*	MVS20H4NW2L	*12,507.00*
2500	65/65	65	36	MVS25H3NW2L	*11,851.00*	MVS25H4NW2L	*15,539.00*
3200	65/65	65	36	MVS32H3NW2L	*15,901.00*	MVS32H4NW2L	*19,879.00*
4000	65/65	65	36	MVS40H3NW2L	*22,275.00*	MVS40H4NW2L	*26,721.00*

Electronic Trip Unit

Price adder to basic breaker with ET2I control unit		*Price adder (S$)*
(Factory assembled only. Order separately is strictly prohibited.)		
ET5S	selective protection	*789.00*
ET6G	selective + earth-fault protection	*1,309.00*

(1) *Supplied with spring charge motor (MCH), opening release (MX) and closing release (XF) with 240VAC control voltage rating. For other voltage please consult your sales representative*

MVSxxHx_xxx	Control voltage rating
N	200/240 V AC
O	110/130 V AC
P	380/415 V AC
Q	200/250 V DC
R	100/125 V DC
S	48/60 V DC
T	24/30 V DC

MVS08 to MVS40
Fixed circuit breakers
Accessories

Unit price (excl. GST) in Singapore Dollars

Connection

Rear connection accessories

E46428

			Price ($)
Interphase barriers	3P/4P (3 parts)	**48599**	*269.70*

Indication contacts

ON/OFF indication contacts (OF)

E46432

		Price ($)
1 additional block of 4 contacts (2 max.)	**48198**	*535.30*

Remote ON/OFF

Instantaneous voltage releases

E46437

		Closing release		Opening release	
Standard	Voltage	**XF**	*Price ($)*	**MX**	*Price ($)*
AC 50/60 Hz	24-30 V DC, 24 V AC	**47350**	*289.00*	**47360**	*289.00*
DC	48/60 V DC, 48 V AC	**47351**	*289.00*	**47361**	*289.00*
	100-130 V	**MVS21801**	*289.00*	**47362**	*289.00*
	200-250 V	**MVS21803**	*289.00*	**47363**	*289.00*
	380-480 V AC	**MVS21805**	*289.00*	**47365**	*289.00*

Ready to close contact (1 max.)

E46438

	PF	Price ($)
1 changeover contact (5 A - 240 V)	**47342**	*277.50*

Remote tripping

Instantaneous voltage release

E46437

	Voltage	MN	Price ($)
AC 50/60 Hz	24-30 V DC, 24 V AC	**47380**	*289.00*
DC	48-60 V DC, 48 V AC	**47381**	*289.00*
	100-130 V	**47382**	*289.00*
	200-250 V	**47383**	*289.00*
	380-480 V AC	**47385**	*289.00*

MN delay unit

	Voltage	**R** (non-adjustable)	*Price ($)*	**Rr** (adjustable)	*Price ($)*
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous under-voltage releases (MN)

Life Is On Schneider Electric

MVS08 to MVS40
Drawout circuit breakers
Accessories

Unit price (excl. GST) in Singapore Dollars

Chassis rear connection accessories

Interphase barriers			Price ($)
3P/4P (3 parts)		**48600**	*269.70*

Chassis locking

Disconnected position locking

By Profalux keylocks			Price ($)
Profalux	1 lock with 1 key + adaptation kit	**48568**	*361.10*
	2 locks 1 key + adaptation kit	**48569**	*723.20*
	2 locks 2 different keys + adaptation kit	**48570**	*723.20*
By Ronis keylocks			*Price ($)*
Ronis	1 lock with 1 key + adaptation kit	**48572**	*345.80*
	2 locks 1 key + adaptation kit	**48573**	*692.60*
	2 locks 2 different keys + adaptation kit	**48574**	*692.60*

Door interlock (1 part)

			Price ($)
Right-hand side of chassis		**48579**	*255.00*
Left-hand side of chassis		**48580**	*255.00*

Racking interlock

			Price ($)
1 part		**48582**	*214.20*

Chassis accessories

Auxiliary terminal shield (CB)

			Price ($)
800/4000 A	3P	**64942**	*227.50*
	4P	**48596**	*300.90*

Shutter locking block (for replacement)

			Price ($)
2 parts for 800/4000 A		**48591**	*122.40*

MVS08 to MVS40
Drawout circuit breakers
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

Electrical auxiliaries

ON/OFF indication contacts (OF)

E46689

		Price ($)
1 additional block of 4 contacts (2 max.)	**48468**	*535.30*

Carriage switches (connected / disconnected / test position)

E46661

		Price ($)
Changeover contacts (8 A - 240V)		
1 connected position contact (3 max.)	**33751**	*101.00*
1 test position contact (3 max.)	**33752**	*101.00*
1 disconnected position contact (3 max.)	**33753**	*101.00*

Auxiliary terminals for chassis alone

		Price ($)
3 wire terminal (30 parts)	**47898**	*601.80*
6 wire terminal (10 parts)	**47899**	*601.80*
Jumpers (10 parts)	**47900**	*45.40*

Remote ON/OFF

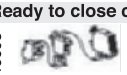
Instantaneous voltage releases

E46693

Standard		Closing release XF	Price ($)	Opening release MX	Price ($)
AC 50/60 Hz	24-30 V DC, 24 V AC	**48481**	*289.00*	**48491**	*289.00*
DC	48-60 V DC, 48 V AC	**48482**	*289.00*	**48492**	*289.00*
	100-130 V	**MVS21802**	*289.00*	**48493**	*289.00*
	200-250 V	**MVS21804**	*289.00*	**48494**	*289.00*
	380-480 V AC	**MVS21806**	*289.00*	**48496**	*289.00*

Ready to close contact (1 max.)

E46695



	PF	Price ($)
1 changeover contact (5 A - 240 V)	**48469**	*282.80*

Remote tripping

Instantaneous voltage release

E46693

	Voltage	MN	Price ($)
AC 50/60 Hz	24-30 V DC, 24 V AC	**48501**	*289.00*
DC	48-60 V DC, 48 V AC	**48502**	*289.00*
	100-130 V	**48503**	*289.00*
	200-250 V	**48504**	*289.00*
	380-480 V AC	**48506**	*289.00*

MN delay unit

	Voltage	**R** (non-adjustable)	Price ($)	**Rr** (adjustable)	Price ($)
AC 50/60 Hz	48-60 V			**33680**	*536.70*
DC	100-130 V	**33684**	*420.20*	**33681**	*536.70*
	200-250 V	**33685**	*420.20*	**33682**	*536.70*
	380-480 V			**33683**	*536.70*

Must be used with instantaneous voltag releases (MN)

Life Is On Schneider Electric

MVS08 to MVS40
Fixed and drawout circuit breakers
Accessories

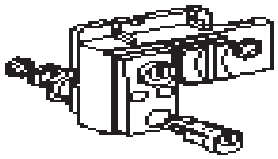
Unit price (excl. GST) in Singapore Dollars

Circuit breaker locking

Pushbutton locking device

			Price ($)
By padlocks		**48536**	*138.40*

OFF position locking



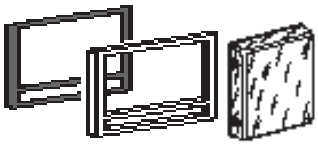
By Profalux keylocks			Price ($)
Profalux	1 lock with 1key + adaptation kit	**48545**	*599.80*
	2 locks 1 key + adaptation kit	**48546**	*797.70*
	2 locks 2 different keys + adaptation kit	**48547**	*797.70*
By Ronis keylocks			Price ($)
Ronis	1 lock with 1key + adaptation kit	**48549**	*377.40*
	2 locks 1 key + adaptation kit	**48550**	*752.80*
	2 locks 2 different keys + adaptation kit	**48551**	*752.80*

Other circuit breaker accessories

Mechanical operation counter

		Price ($)
Operation counter CDM	**48535**	*595.90*

Escutcheon and accessories

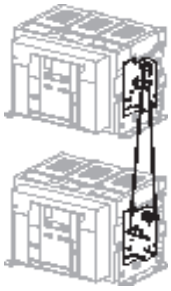


Escutcheon Cover Blanking plate

	Fixed	Price ($)	Drawout	Price ($)
Escutcheon	**48601**	*238.40*	**48603**	*238.40*
Transparent cover IP 54			**48604**	*984.80*
Escutcheon blanking plate	**48605**	*300.90*	**48605**	*300.90*

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods



Complete assembly with 2 adaptation fixtures + rods		Price ($)
2 Easypact MVS fixed devices	**48612**	*1,732.00*
2 Easypact MVS drawout devices	**48612**	*1,732.00*

Can be used with 1 MVS fixed + 1 MVS drawout.

Interlocking of 2 devices using cables (*)

Choose 2 adaptation sets (1 for each device + 1 set of cables)		Price ($)
1 adaptation fixture for Easypact MVS fixed devices	**47926**	*745.40*
1 adaptation fixture for Easypact MVS drawout devices	**47926**	*745.40*
1 set of 2 cables	**33209**	*312.20*

(*) Can be used with any combination of MVS, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 3 adaptation (including 3 adaptation fixtures + cables)		
3 sources, only 1 device closed, fixed or drawout devices	**48610**	*3,162.00*
2 sources + 1 coupling, fixed or drawout devices	**48609**	*3,715.90*
2 normal + 1 replacement source, fixed or drawout devices	**48608**	*3,162.00*

Cable-type door interlock

1 complete assembly for Easypact MVS fixed or drawout device	**48614**	*1,566.80*

MVS08 to MVS40

Fixed and drawout circuit breakers

Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

Accessories for ET Trip Unit

External sensors

E46671

External sensor for earth-fault protection (TCE)			Price (S$)
Sensor rating	400/2000 A (for MVS08 - MVS20)	**34035**	*1,622.90*
	1000/4000 A (for MVS25 - MVS40)	**34036**	*2,071.70*

External power supply module

E47787

		Price (S$)
24-30 V DC	**54440**	*1,314.10*
48-60 V DC	**54441**	*1,314.10*
100-125 V DC	**54442**	*1,314.10*
110-130 V AC	**54443**	*672.70*
200-240 V AC	**54444**	*672.70*
380-415 V AC	**54445**	*672.70*

Test equipment

Mini test kit

E59921

		Price (S$)
	33594	*3,151.50*

Life Is On Schneider Electric

MVS08 to MVS40

Fixed and drawout switch-disconnectors

Unit price (excl. GST) in Singapore Dollars

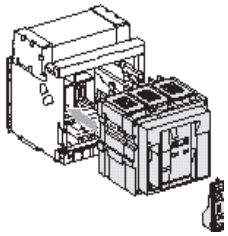
MVS switch-disconnectors

A EasyPact MVS switch-disconnector consist of:
- the basic switch-disconnector
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)

In (A at 40°C)	Icm (kA	Icw (1sec)	Icw (3sec)	Fixed 3 Pole		Fixed 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	143	65	36	MVS08H3MF0D	*4,644.09*	MVS08H4MF0D	*5,845.95*
1000	143	65	36	MVS10H3MF0D	*4,802.49*	MVS10H4MF0D	*6,004.35*
1250	143	65	36	MVS12H3MF0D	*4,921.29*	MVS12H4MF0D	*6,123.15*
1600	143	65	36	MVS16H3MF0D	*5,030.19*	MVS16H4MF0D	*6,232.05*
2000	143	65	36	MVS20H3MF0D	*6,584.49*	MVS20H4MF0D	*7,786.35*
2500	143	65	36	MVS25H3MF0D	*7,515.09*	MVS25H4MF0D	*10,788.03*
3200	143	65	36	MVS32H3MF0D	*9,990.09*	MVS32H4MF0D	*13,263.03*
4000	143	65	36	MVS40H3MF0D	*15,043.05*	MVS40H4MF0D	*18,690.21*

Additional equipped for drawout switch disconnectors
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking (padlocks excluded)

				Drawout 3 Pole		Drawout 4 Pole	
Type H					*Price ($)*		*Price ($)*
800	143	65	36	MVS08H3MW0D	*5,893.47*	MVS08H4MW0D	*7,473.51*
1000	143	65	36	MVS10H3MW0D	*6,051.87*	MVS10H4MW0D	*7,631.91*
1250	143	65	36	MVS12H3MW0D	*6,170.67*	MVS12H4MW0D	*7,750.71*
1600	143	65	36	MVS16H3MW0D	*6,279.57*	MVS16H4MW0D	*7,859.61*
2000	143	65	36	MVS20H3MW0D	*7,833.87*	MVS20H4MW0D	*9,413.91*
2500	143	65	36	MVS25H3MW0D	*9,754.47*	MVS25H4MW0D	*13,068.00*
3200	143	65	36	MVS32H3MW0D	*12,773.97*	MVS32H4MW0D	*16,712.19*
4000	143	65	36	MVS40H3MW0D	*18,094.23*	MVS40H4MW0D	*23,485.77*



Basic switch-disconnector < 4000 A

Moulded case circuit breakers

Compact NSX100 - 630 circuit breakers

NSX100/160/250B: complete fixed/FC device B1
NSX100/160/250F: complete fixed/FC device B3
NSX100/160/250N: complete fixed/FC device B6
NSX100/160/250H: complete fixed/FC device B8
NSX100/160/250S: complete fixed/FC device B10
NSX100/160/250L: complete fixed/FC device B12
NSX100/250R: complete fixed/FC device B14
NSX100/250HB1: complete fixed/FC device B15
NSX100/250HB2: complete fixed/FC device B16
NSX100/160/250NA: complete fixed/FC device B17
NSX100/160/250: trip unit accessories B18
NSX100/160/250: Installation and connection and other accessories B19
NSX400/630F: complete fixed/FC device B28
NSX400/630N: complete fixed/FC device B29
NSX400/630H: complete fixed/FC device B30
NSX400/630S: complete fixed/FC device B31
NSX400/630L: complete fixed/FC device B32
NSX400/630R: complete fixed/FC device B33
NSX400/630HB1: complete fixed/FC device B34
NSX400/630HB2: complete fixed/FC device B35
NSX400/630NA: complete fixed/FC device B36
NSX400/630: trip unit accessories B37
NSX400/630: Installation and connection and other accessories B38
NSX100/630: Monitoring and control, test tools B47
NSX100/160/250 F/N/M/S: complete fixed/1P & 2P AC/DC B48
NSX100/160/250 F/N/M/S: complete fixed/3P DC B48
NSX400/630 F/S: complete fixed/3p & 4P DC with MP trip unit B49

Compact NS630b - 3200 circuit breakers

NS630b - 1600: fixed version, manually or electrically operated B50
NS630b - 1600: withdrawable version, manually or electrically operated B54
NS630b - 1600: accessories for fixed version only B58
NS630b - 1600: accessories for withdrawable version only B59
NS630b - 1600: accessories for fixed and withdrawable version B61
NS1600b - 3200: fixed version, manually operated B63
NS1600b - 3200: accessories B65

EasyPact EZC circuit breakers

EZC100N/H 1P/2P B66
EZC100N/H/B/F 3P/4P B67
EZC100 accessories B68
EZC250N/H/F 2P/3P/4P B70
EZCV250N/H 3P/4P B71
EZC 250 accessories B72
EZC400N/H 3P/4P B74
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EasyPact CVS100 to CV630 circuit breaker

CVS100/160/250B: Complete device B77
CVS100/160/250F: Complete device B78
CVS100/160/250NA: Complete device (Switch-disconnectors) B78
CVS100/160/250: Add-on Vigi module B79
Accessories for CVS100/160/250
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Moulded case circuit breakers

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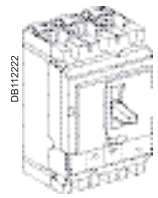
Connection	B87
Electrical auxiliaries: Indication contacts	B89
Electrical auxiliaries: Remote operation	B89
Rotary handle & Locks	B90
Interlocking & Installation accessories	B91

NSX100/160/250B:
complete fixed/FC device
Compact NSX100/160/250B (25 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

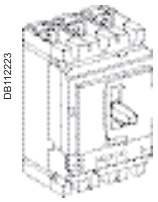
Compact NSX100/160/250B

With thermal-magnetic trip unit TM-D



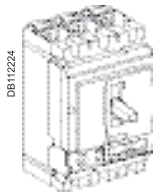
Compact NSX100B (25 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429557**	*302.00*	**LV429567**	*478.80*
TM25D	**LV429556**	*302.00*	**LV429566**	*478.80*
TM32D	**LV429555**	*302.00*	**LV429565**	*478.80*
TM40D	**LV429554**	*302.00*	**LV429564**	*478.80*
TM50D	**LV429553**	*302.00*	**LV429563**	*478.80*
TM63D	**LV429552**	*302.00*	**LV429562**	*478.80*
TM80D	**LV429551**	*302.00*	**LV429561**	*478.80*
TM100D	**LV429550**	*302.00*	**LV429560**	*478.80*
Compact NSX160B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430313**	*470.30*	**LV430323**	*791.10*
TM100D	**LV430312**	*470.30*	**LV430322**	*791.10*
TM125D	**LV430311**	*470.30*	**LV430321**	*791.10*
TM160D	**LV430310**	*470.30*	**LV430320**	*791.10*
Compact NSX250B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431114**	*784.40*	**LV431124**	*1,346.30*
TM125D	**LV431113**	*784.40*	**LV431123**	*1,346.30*
TM160D	**LV431112**	*784.40*	**LV431122**	*1,346.30*
TM200D	**LV431111**	*784.40*	**LV431121**	*1,346.30*
TM250D	**LV431110**	*784.40*	**LV431120**	*1,346.30*

With electronic trip unit Micrologic 2.2 (LS_0I protection)



Compact NSX100B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429777**	*475.90*	**LV429787**	*735.50*
100	**LV429775**	*475.90*	**LV429785**	*735.50*
Compact NSX160B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430746**	*639.70*	**LV430751**	*1,038.30*
160	**LV430745**	*639.70*	**LV430750**	*1,038.30*
Compact NSX250B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431142**	*956.90*	**LV431152**	*1,593.50*
160	**LV431141**	*956.90*	**LV431151**	*1,593.50*
250	**LV431140**	*956.90*	**LV431150**	*1,593.50*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)



Compact NSX100B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
40	**LV429872**	*1,514.10*	**LV429877**	*2,293.20*
100	**LV429870**	*1,514.10*	**LV429875**	*2,293.20*
Compact NSX160B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
100	**LV430871**	*1,681.10*	**LV430876**	*2,601.90*
160	**LV430870**	*1,681.10*	**LV430875**	*2,601.90*
Compact NSX250B (25 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
100	**LV431147**	*2,004.50*	**LV431157**	*3,167.90*
160	**LV431146**	*2,004.50*	**LV431156**	*3,167.90*
250	**LV431145**	*2,004.50*	**LV431155**	*3,167.90*

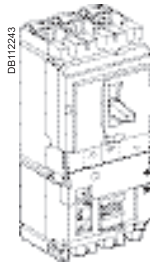
Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

NSX100/160/250B:
complete fixed/FC device
Vigicompact NSX100/160/250B (25kA 380/415V)

Unit price (excl.GST) in Singapore dollars S$

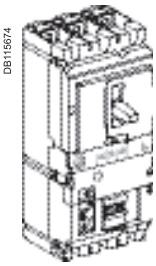
Vigicompact NSX100/160/250B

With thermal-magnetic trip unit TM-D



Vigicompact NSX100B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429667**	*1,209.60*	**LV429707**	*1,390.20*
TM25D	**LV429666**	*1,209.60*	**LV429706**	*1,390.20*
TM32D	**LV429665**	*1,209.60*	**LV429705**	*1,390.20*
TM40D	**LV429664**	*1,209.60*	**LV429704**	*1,390.20*
TM50D	**LV429663**	*1,209.60*	**LV429703**	*1,390.20*
TM63D	**LV429662**	*1,209.60*	**LV429702**	*1,390.20*
TM80D	**LV429661**	*1,209.60*	**LV429701**	*1,390.20*
TM100D	**LV429660**	*1,209.60*	**LV429700**	*1,390.20*
Vigicompact NSX160B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430343**	*1,376.60*	**LV430353**	*1,698.90*
TM100D	**LV430342**	*1,376.60*	**LV430352**	*1,698.90*
TM125D	**LV430341**	*1,376.60*	**LV430351**	*1,698.90*
TM160D	**LV430340**	*1,376.60*	**LV430350**	*1,698.90*
Vigicompact NSX250B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431904**	*2,067.50*	**LV431914**	*2,632.40*
TM125D	**LV431903**	*2,067.50*	**LV431913**	*2,632.40*
TM160D	**LV431902**	*2,067.50*	**LV431912**	*2,632.40*
TM200D	**LV431901**	*2,067.50*	**LV431911**	*2,632.40*
TM250D	**LV431900**	*2,067.50*	**LV431910**	*2,632.40*

With electronic trip unit Micrologic 2.2 (LS_oI protection)



Vigicompact NSX100B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429975**	*1,377.60*	**LV429985**	*1,642.20*
100	**LV429974**	*1,377.60*	**LV429984**	*1,642.20*
Vigicompact NSX160B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430961**	*1,544.60*	**LV430996**	*1,950.90*
160	**LV430960**	*1,544.60*	**LV430995**	*1,950.90*
Vigicompact NSX250B (25 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	3P 3d		**4P 3d, 4d, 3d + N/2**	
100	**LV431977**	*2,235.50*	**LV431987**	*2,884.40*
160	**LV431976**	*2,235.50*	**LV431986**	*2,884.40*
250	**LV431975**	*2,235.50*	**LV431985**	*2,884.40*

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NSX100/160/250F:
complete fixed/FC device
Compact NSX100/160/250F (36 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

Compact NSX100/160/250F

With thermal-magnetic trip unit TM-D

Compact NSX100F (36 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429637**	*315.00*	**LV429647**	*486.60*
TM25D	**LV429636**	*315.00*	**LV429646**	*486.60*
TM32D	**LV429635**	*315.00*	**LV429645**	*486.60*
TM40D	**LV429634**	*315.00*	**LV429644**	*486.60*
TM50D	**LV429633**	*315.00*	**LV429643**	*486.60*
TM63D	**LV429632**	*315.00*	**LV429642**	*486.60*
TM80D	**LV429631**	*315.00*	**LV429641**	*486.60*
TM100D	**LV429630**	*315.00*	**LV429640**	*486.60*
Compact NSX160F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430633**	*477.00*	**LV430643**	*787.00*
TM100D	**LV430632**	*477.00*	**LV430642**	*787.00*
TM125D	**LV430631**	*477.00*	**LV430641**	*787.00*
TM160D	**LV430630**	*477.00*	**LV430640**	*787.00*
Compact NSX250F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431634**	*795.00*	**LV431644**	*1,379.10*
TM125D	**LV431633**	*795.00*	**LV431643**	*1,379.10*
TM160D	**LV431632**	*795.00*	**LV431642**	*1,379.10*
TM200D	**LV431631**	*795.00*	**LV431641**	*1,379.10*
TM250D	**LV431630**	*795.00*	**LV431640**	*1,379.10*

With electronic trip unit Micrologic 2.2 (LS_oI protection)

Compact NSX100F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429772**	*489.30*	**LV429782**	*738.60*
100	**LV429770**	*489.30*	**LV429780**	*738.60*
Compact NSX160F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430771**	*656.20*	**LV430781**	*1,034.20*
160	**LV430770**	*656.20*	**LV430780**	*1,034.20*
Compact NSX250F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431772**	*983.70*	**LV431782**	*1,639.80*
160	**LV431771**	*983.70*	**LV431781**	*1,639.80*
250	**LV431770**	*983.70*	**LV431780**	*1,639.80*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)

Compact NSX100F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
40	**LV429882**	*1,527.80*	**LV429887**	*2,296.40*
100	**LV429880**	*1,527.80*	**LV429885**	*2,296.40*
Compact NSX160F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
100	**LV430881**	*1,812.30*	**LV430886**	*2,597.70*
160	**LV430880**	*1,812.30*	**LV430885**	*2,597.70*
Compact NSX250F (36 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, 3d + OSN	
100	**LV431862**	*2,031.80*	**LV431867**	*3,215.10*
160	**LV431861**	*2,031.80*	**LV431866**	*3,215.10*
250	**LV431860**	*2,031.80*	**LV431865**	*3,215.10*

Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

NSX100/160/250F:
complete fixed/FC device (cont.)
Compact NSX100/160/250F (36kA 380/415V) (cont.)

Unit price (excl.GST) in Singapore dollars S$

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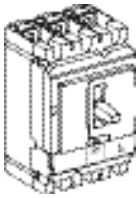

Compact NSX100/160/250F		
With magnetic trip unit MA		
Compact NSX100F (36 kA at 380/415 V)		
Rating	**3P** 3d	**Price (S$)**
MA2.5	**LV429745**	*421.20*
MA6.3	**LV429744**	*421.20*
MA12.5	**LV429743**	*421.20*
MA25	**LV429742**	*421.20*
MA50	**LV429741**	*421.20*
MA100	**LV429740**	*421.20*
Compact NSX160F (36 kA at 380/415 V)		
Rating	**3P** 3d	
MA100	**LV430831**	*589.70*
MA150	**LV430830**	*589.70*
Compact NSX250F (36 kA at 380/415 V)		
Rating	**3P** 3d	
MA150	**LV431749**	*920.40*
MA220	**LV431748**	*920.40*
With electronic trip unit Micrologic 2.2-M (LS_oI motor protection)		
Compact NSX100F (36 kA at 380/415 V)		
Rating	**3P** 3d	
25	**LV429828**	*743.60*
50	**LV429827**	*743.60*
100	**LV429825**	*743.60*
Compact NSX160F (36 kA at 380/415 V)		
Rating	**3P** 3d	
100	**LV430986**	*912.10*
150	**LV430985**	*912.10*
Compact NSX250F (36 kA at 380/415 V)		
Rating	**3P** 3d	
150	**LV431161**	*1,242.80*
220	**LV431160**	*1,242.80*

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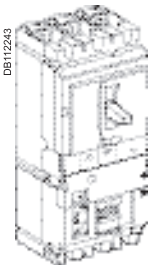
NSX100/160/250F:
complete fixed/FC device
Vigicompact NSX100/160/250F (36 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

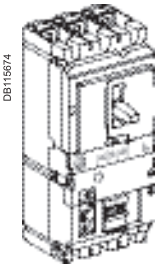
Vigicompact NSX100/160/250F

With thermal-magnetic trip unit TM-D



Rating	**3P** 3d	Price (S$)	**4P** 3d	Price (S$)
Vigicompact NSX100F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
TM16D	**LV429937**	*1,223.30*	**LV429947**	*1,393.40*
TM25D	**LV429936**	*1,223.30*	**LV429946**	*1,393.40*
TM32D	**LV429935**	*1,223.30*	**LV429945**	*1,393.40*
TM40D	**LV429934**	*1,223.30*	**LV429944**	*1,393.40*
TM50D	**LV429933**	*1,223.30*	**LV429943**	*1,393.40*
TM63D	**LV429932**	*1,223.30*	**LV429942**	*1,393.40*
TM80D	**LV429931**	*1,223.30*	**LV429941**	*1,393.40*
TM100D	**LV429930**	*1,223.30*	**LV429940**	*1,393.40*
Vigicompact NSX160F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430933**	*1,393.40*	**LV430943**	*1,694.70*
TM100D	**LV430932**	*1,393.40*	**LV430942**	*1,694.70*
TM125D	**LV430931**	*1,393.40*	**LV430941**	*1,694.70*
TM160D	**LV430930**	*1,393.40*	**LV430940**	*1,694.70*
Vigicompact NSX250F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431934**	*2,094.80*	**LV431944**	*2,679.60*
TM125D	**LV431933**	*2,094.80*	**LV431943**	*2,679.60*
TM160D	**LV431932**	*2,094.80*	**LV431942**	*2,679.60*
TM200D	**LV431931**	*2,094.80*	**LV431941**	*2,679.60*
TM250D	**LV431930**	*2,094.80*	**LV431940**	*2,679.60*

With electronic trip unit Micrologic 2.2 (LS_0I protection)



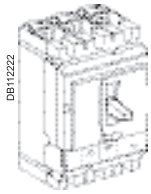
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
Vigicompact NSX100F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
40	**LV429972**	*1,391.30*	**LV429982**	*1,645.40*
100	**LV429970**	*1,391.30*	**LV429980**	*1,645.40*
Vigicompact NSX160F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430971**	*1,561.40*	**LV430981**	*1,946.70*
160	**LV430970**	*1,561.40*	**LV430980**	*1,946.70*
Vigicompact NSX250F (36 kA at 380/415 V) equipped with MH Vigi module (200 to 440 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431972**	*2,262.80*	**LV431982**	*2,931.60*
160	**LV431971**	*2,262.80*	**LV431981**	*2,931.60*
250	**LV431970**	*2,262.80*	**LV431980**	*2,931.60*

NSX100/160/250N:
complete fixed/FC device
Compact NSX100/160/250N (50 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

Compact NSX100/160/250N

With thermal-magnetic trip unit TM-D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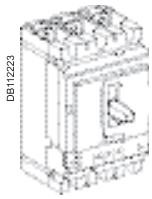
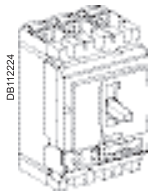
Compact NSX100N (50 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429847**	*382.00*	**LV429857**	*623.30*
TM25D	**LV429846**	*382.00*	**LV429856**	*623.30*
TM32D	**LV429845**	*382.00*	**LV429855**	*623.30*
TM40D	**LV429844**	*382.00*	**LV429854**	*623.30*
TM50D	**LV429843**	*382.00*	**LV429853**	*623.30*
TM63D	**LV429842**	*382.00*	**LV429852**	*623.30*
TM80D	**LV429841**	*382.00*	**LV429851**	*623.30*
TM100D	**LV429840**	*382.00*	**LV429850**	*623.30*
Compact NSX160N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430843**	*550.50*	**LV430853**	*964.10*
TM100D	**LV430842**	*550.50*	**LV430852**	*964.10*
TM125D	**LV430841**	*550.50*	**LV430851**	*964.10*
TM160D	**LV430840**	*550.50*	**LV430850**	*964.10*
Compact NSX250N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431834**	*963.60*	**LV431844**	*1,670.70*
TM125D	**LV431833**	*963.60*	**LV431843**	*1,670.70*
TM160D	**LV431832**	*963.60*	**LV431842**	*1,670.70*
TM200D	**LV431831**	*963.60*	**LV431841**	*1,670.70*
TM250D	**LV431830**	*963.60*	**LV431840**	*1,670.70*

With electronic trip unit Micrologic 2.2 (LS_oI protection)


DB112223

Compact NSX100N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429797**	*558.30*	**LV429807**	*876.60*
100	**LV429795**	*558.30*	**LV429805**	*876.60*
Compact NSX160N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430776**	*726.20*	**LV430786**	*1,202.10*
160	**LV430775**	*726.20*	**LV430785**	*1,202.10*
Compact NSX250N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431872**	*1,147.50*	**LV431877**	*1,917.90*
160	**LV431871**	*1,147.50*	**LV431876**	*1,917.90*
250	**LV431870**	*1,147.50*	**LV431875**	*1,917.90*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)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Compact NSX100N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV429892**	*1,754.60*	**LV429897**	*2,437.10*
100	**LV429890**	*1,754.60*	**LV429895**	*2,437.10*
Compact NSX160N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV430891**	*2,174.60*	**LV430896**	*2,768.90*
160	**LV430890**	*2,174.60*	**LV430895**	*2,768.90*
Compact NSX250N (50 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV431882**	*2,198.70*	**LV431887**	*3,498.60*
160	**LV431881**	*2,198.70*	**LV431886**	*3,498.60*
250	**LV431880**	*2,198.70*	**LV431885**	*3,498.60*

Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

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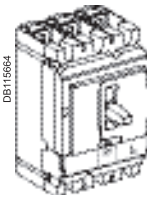
NSX100/160/250N:
complete fixed/FC device (cont.)
Compact NSX100/160/250N (50 kA 380/415V)(cont.)

Unit price (excl.GST) in Singapore dollars S$

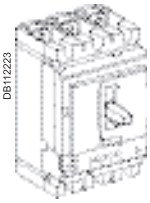
Compact NSX100/160/250N

With magnetic trip unit MA



Compact NSX100N (50 kA at 380/415 V)		
Rating	**3P** 3d	**Price (S$)**
MA2.5	**LV429755**	*490.90*
MA6.3	**LV429754**	*490.90*
MA12.5	**LV429753**	*490.90*
MA25	**LV429752**	*490.90*
MA50	**LV429751**	*490.90*
MA100	**LV429750**	*490.90*
Compact NSX160N (50 kA at 380/415 V)		
Rating	**3P** 3d	
MA100	**LV430833**	*660.40*
MA150	**LV430832**	*660.40*
Compact NSX250N (50 kA at 380/415 V)		
Rating	**3P** 3d	
MA150	**LV431753**	*1,085.80*
MA220	**LV431752**	*1,085.80*

With electronic trip unit Micrologic 2.2-M (LS_oI motor protection)



Compact NSX100N (50 kA at 380/415 V)		
Rating	**3P** 3d	
25	**LV429833**	*813.30*
50	**LV429832**	*813.30*
100	**LV429830**	*813.30*
Compact NSX160N (50 kA at 380/415 V)		
Rating	**3P** 3d	
100	**LV430989**	*982.80*
150	**LV430988**	*982.80*
Compact NSX250N (50 kA at 380/415 V)		
Rating	**3P** 3d	
150	**LV431166**	*1,408.20*
220	**LV431165**	*1,408.20*

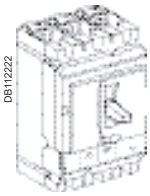
NSX100/160/250H:
complete fixed/FC device
Compact NSX100/160/250H (70 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

B

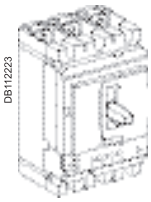
Compact NSX100/160/250H

With thermal-magnetic trip unit TM-D



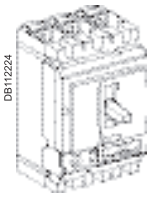
Compact NSX100H (70 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429677**	*445.00*	**LV429687**	*772.20*
TM25D	**LV429676**	*445.00*	**LV429686**	*772.20*
TM32D	**LV429675**	*445.00*	**LV429685**	*772.20*
TM40D	**LV429674**	*445.00*	**LV429684**	*772.20*
TM50D	**LV429673**	*445.00*	**LV429683**	*772.20*
TM63D	**LV429672**	*445.00*	**LV429682**	*772.20*
TM80D	**LV429671**	*445.00*	**LV429681**	*772.20*
TM100D	**LV429670**	*445.00*	**LV429680**	*772.20*
Compact NSX160H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430673**	*636.00*	**LV430683**	*1,102.70*
TM100D	**LV430672**	*636.00*	**LV430682**	*1,102.70*
TM125D	**LV430671**	*636.00*	**LV430681**	*1,102.70*
TM160D	**LV430670**	*636.00*	**LV430680**	*1,102.70*
Compact NSX250H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV431674**	*1,147.40*	**LV431684**	*1,987.90*
TM125D	**LV431673**	*1,147.40*	**LV431683**	*1,987.90*
TM160D	**LV431672**	*1,147.40*	**LV431682**	*1,987.90*
TM200D	**LV431671**	*1,147.40*	**LV431681**	*1,987.90*
TM250D	**LV431670**	*1,147.40*	**LV431680**	*1,987.90*

With electronic trip unit Micrologic 2.2 (LS_oI protection)



Compact NSX100H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429792**	*623.20*	**LV429802**	*1,027.00*
100	**LV429790**	*623.20*	**LV429800**	*1,027.00*
Compact NSX160H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430791**	*819.90*	**LV430801**	*1,360.70*
160	**LV430790**	*819.90*	**LV430800**	*1,360.70*
Compact NSX250H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431792**	*1,334.90*	**LV431802**	*2,235.10*
160	**LV431791**	*1,334.90*	**LV431801**	*2,235.10*
250	**LV431790**	*1,334.90*	**LV431800**	*2,235.10*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)



Compact NSX100H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV429794**	*2,047.50*	**LV429804**	*2,590.40*
100	**LV429793**	*2,047.50*	**LV429803**	*2,590.40*
Compact NSX160H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV430795**	*2,536.80*	**LV430805**	*2,930.60*
160	**LV430794**	*2,536.80*	**LV430804**	*2,930.60*
Compact NSX250H (70 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV431797**	*2,389.80*	**LV431807**	*3,822.00*
160	**LV431796**	*2,389.80*	**LV431806**	*3,822.00*
250	**LV431795**	*2,389.80*	**LV431805**	*3,822.00*

Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

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NSX100/160/250H:
complete fixed/FC device (cont.)
Compact NSX100/160/250H (70kA 380/415V)(cont.)

Unit price (excl.GST) in Singapore dollars S$

Compact NSX100/160/250H

With magnetic trip unit MA

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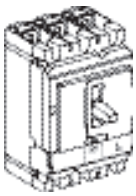

Compact NSX100H (70 kA at 380/415 V)		
Rating	**3P** 3d	**Price (S$)**
MA2.5	**LV429765**	*556.40*
MA6.3	**LV429764**	*556.40*
MA12.5	**LV429763**	*556.40*
MA25	**LV429762**	*556.40*
MA50	**LV429761**	*556.40*
MA100	**LV429760**	*556.40*
Compact NSX160H (70 kA at 380/415 V)		
Rating	**3P** 3d	
MA100	**LV430835**	*755.10*
MA150	**LV430834**	*755.10*
Compact NSX250H (70 kA at 380/415 V)		
Rating	**3P** 3d	
MA150	**LV431757**	*1,275.10*
MA220	**LV431756**	*1,275.10*

With electronic trip unit Micrologic 2.2-M (LS_0I motor protection)

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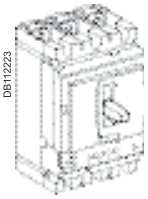


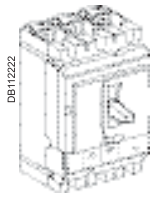
Compact NSX100H (70 kA at 380/415 V)		
Rating	**3P** 3d	
25	**LV429838**	*878.80*
50	**LV429837**	*878.80*
100	**LV429835**	*878.80*
Compact NSX160H (70 kA at 380/415 V)		
Rating	**3P** 3d	
100	**LV430992**	*1,077.50*
150	**LV430991**	*1,077.50*
Compact NSX250H (70 kA at 380/415 V)		
Rating	**3P** 3d	
150	**LV431171**	*1,597.50*
220	**LV431170**	*1,597.50*

NSX100/160/250S
complete fixed/FC device
Compact NSX100/160/250S (100 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

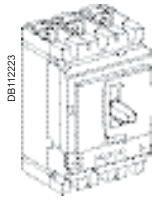
Compact NSX100/160/250S

With thermal-magnetic trip unit TM-D



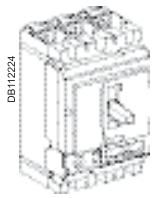
Compact NSX100S (100 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429018 + LV429037**	*544.70*	**LV429019 + LV429047**	*936.30*
TM25D	**LV429018 + LV429036**	*544.70*	**LV429019 + LV429046**	*936.30*
TM32D	**LV429018 + LV429035**	*544.70*	**LV429019 + LV429045**	*936.30*
TM40D	**LV429018 + LV429034**	*544.70*	**LV429019 + LV429044**	*936.30*
TM50D	**LV429018 + LV429033**	*544.70*	**LV429019 + LV429043**	*936.30*
TM63D	**LV429018 + LV429032**	*544.70*	**LV429019 + LV429042**	*936.30*
TM80D	**LV429018 + LV429031**	*544.70*	**LV429019 + LV429041**	*936.30*
TM100D	**LV429018 + LV429030**	*544.70*	**LV429019 + LV429040**	*936.30*
Compact NSX160S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430391 + LV429031**	*785.90*	**LV430396 + LV429041**	*1,336.00*
TM100D	**LV430391 + LV429030**	*785.90*	**LV430396 + LV429040**	*1,336.00*
TM125D	**LV430391 + LV430431**	*785.90*	**LV430396 + LV430441**	*1,336.00*
TM160D	**LV430391 + LV430430**	*785.90*	**LV430396 + LV430440**	*1,336.00*
Compact NSX250S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM125D	**LV431391 + LV430431**	*1,403.90*	**LV431396 + LV430441**	*2,386.60*
TM160D	**LV431391 + LV431432**	*1,403.90*	**LV431396 + LV430440**	*2,386.60*
TM200D	**LV431391 + LV431431**	*1,403.90*	**LV431396 + LV431441**	*2,386.60*
TM250D	**LV431391 + LV431430**	*1,403.90*	**LV431396 + LV431440**	*2,386.60*

With electronic trip unit Micrologic 2.2 (LS_oI protection)



Compact NSX100S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429018 + LV429072**	*681.50*	**LV429019 + LV429082**	*1,206.50*
100	**LV429018 + LV429070**	*681.50*	**LV429019 + LV429080**	*1,206.50*
Compact NSX160S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430391 + LV429070**	*969.20*	**LV430396 + LV429080**	*1,613.90*
160	**LV430391 + LV430470**	*969.20*	**LV430396 + LV430480**	*1,613.90*
Compact NSX250S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431391 + LV429070**	*1,599.20*	**LV431396 + LV429080**	*2,684.90*
160	**LV431391 + LV430470**	*1,599.20*	**LV431396 + LV430480**	*2,684.90*
250	**LV431391 + LV431470**	*1,599.20*	**LV431396 + LV431480**	*2,684.90*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)



Compact NSX100S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV429018 + LV429091**	*1,757.70*	**LV429019 + LV429101**	*2,750.00*
100	**LV429018 + LV429090**	*1,757.70*	**LV429019 + LV429100**	*2,750.00*
Compact NSX160S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV430391 + LV429090**	*1,998.20*	**LV430396 + LV429100**	*3,157.40*
160	**LV430391 + LV430490**	*1,998.20*	**LV430396 + LV430495**	*3,157.40*
Compact NSX250S (100 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV431391 + LV429090**	*2,628.20*	**LV431396 + LV429100**	*4,228.40*
160	**LV431391 + LV430490**	*2,628.20*	**LV431396 + LV430495**	*4,228.40*
250	**LV431391 + LV431490**	*2,628.20*	**LV431396 + LV431495**	*4,228.40*

Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

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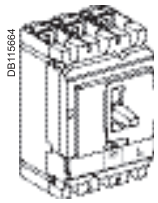
NSX100/160/250S:
complete fixed/FC device (cont.)
Compact NSX100/160/250S(100kA 380/415V) (cont.)

Unit price (excl.GST) in Singapore dollars S$

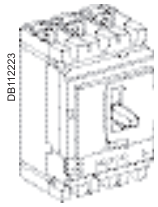
Compact NSX100/160/250S

With magnetic trip unit MA



Compact NSX100S (100 kA at 380/415 V)		
Rating	**3P** 3d	**Price (S$)**
MA2.5	**LV429018 + LV429125**	*655.20*
MA6.3	**LV429018 + LV429124**	*655.20*
MA12.5	**LV429018 + LV429123**	*655.20*
MA25	**LV429018 + LV429122**	*655.20*
MA50	**LV429018 + LV429121**	*655.20*
MA100	**LV429018 + LV429120**	*655.20*
Compact NSX160S (100 kA at 380/415 V)		
Rating	**3P** 3d	
MA100	**LV430391 + LV429120**	*895.70*
MA150	**LV430391 + LV430500**	*895.70*
Compact NSX250S (100 kA at 380/415 V)		
Rating	**3P** 3d	
MA150	**LV431391 + LV430500**	*1,525.70*
MA220	**LV431391 + LV431500**	*1,525.70*

With electronic trip unit Micrologic 2.2-M (LS_0I motor protection)



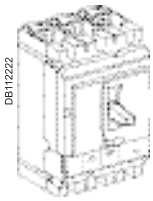
Compact NSX100S (100 kA at 380/415 V)		
Rating	**3P** 3d	
25	**LV429018 + LV429174**	*999.40*
50	**LV429018 + LV429172**	*999.40*
100	**LV429018 + LV429170**	*999.40*
Compact NSX160S (100 kA at 380/415 V)		
Rating	**3P** 3d	
100	**LV430391 + LV429170**	*1,244.50*
150	**LV430391 + LV430520**	*1,244.50*
Compact NSX250S (100 kA at 380/415 V)		
Rating	**3P** 3d	
150	**LV431391 + LV430520**	*1,886.50*
220	**LV431391 + LV431520**	*1,886.50*

NSX100/160/250L
complete fixed/FC device
Compact NSX100/160/250L (150 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

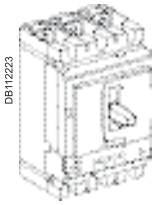
Compact NSX100/160/250L

With thermal-magnetic trip unit TM-D



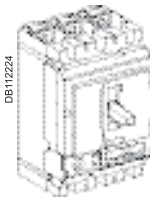
Compact NSX100L (150 kA at 380/415 V)				
Rating	**3P** 3d	**Price (S$)**	**4P** 3d	**Price (S$)**
TM16D	**LV429005 + LV429037**	*660.30*	**LV429010 + LV429047**	*1,122.70*
TM25D	**LV429005 + LV429036**	*660.30*	**LV429010 + LV429046**	*1,122.70*
TM32D	**LV429005 + LV429035**	*660.30*	**LV429010 + LV429045**	*1,122.70*
TM40D	**LV429005 + LV429034**	*660.30*	**LV429010 + LV429044**	*1,122.70*
TM50D	**LV429005 + LV429033**	*660.30*	**LV429010 + LV429043**	*1,122.70*
TM63D	**LV429005 + LV429032**	*660.30*	**LV429010 + LV429042**	*1,122.70*
TM80D	**LV429005 + LV429031**	*660.30*	**LV429010 + LV429041**	*1,122.70*
TM100D	**LV429005 + LV429030**	*660.30*	**LV429010 + LV429040**	*1,122.70*
Compact NSX160L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM80D	**LV430405 + LV429031**	*943.50*	**LV430410 + LV429041**	*1,619.30*
TM100D	**LV430405 + LV429030**	*943.50*	**LV430410 + LV429040**	*1,619.30*
TM125D	**LV430405 + LV430431**	*943.50*	**LV430410 + LV430441**	*1,619.30*
TM160D	**LV430405 + LV430430**	*943.50*	**LV430410 + LV430440**	*1,619.30*
Compact NSX250L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d	
TM125D	**LV431405 + LV430431**	*1,684.10*	**LV431410 + LV430441**	*2,891.20*
TM160D	**LV431405 + LV431432**	*1,684.10*	**LV431410 + LV430440**	*2,891.20*
TM200D	**LV431405 + LV431431**	*1,684.10*	**LV431410 + LV431441**	*2,891.20*
TM250D	**LV431405 + LV431430**	*1,684.10*	**LV431410 + LV431440**	*2,891.20*

With electronic trip unit Micrologic 2.2 (LS_0I protection)



Compact NSX100L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV429005 + LV429072**	*833.10*	**LV429010 + LV429082**	*1,383.20*
100	**LV429005 + LV429070**	*833.10*	**LV429010 + LV429080**	*1,383.20*
Compact NSX160L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV430405 + LV429070**	*1,119.10*	**LV430410 + LV429080**	*1,868.90*
160	**LV430405 + LV430470**	*1,119.10*	**LV430410 + LV430480**	*1,868.90*
Compact NSX250L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV431405 + LV429070**	*1,866.80*	**LV431410 + LV429080**	*3,140.80*
160	**LV431405 + LV430470**	*1,866.80*	**LV431410 + LV430480**	*3,140.80*
250	**LV431405 + LV431470**	*1,866.80*	**LV431410 + LV431480**	*3,140.80*

With electronic trip unit Micrologic 5.2 A (LSI protection, ammeter)



Compact NSX100L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV429005 + LV429091**	*1,870.10*	**LV429010 + LV429101**	*2,940.00*
100	**LV429005 + LV429090**	*1,870.10*	**LV429010 + LV429100**	*2,940.00*
Compact NSX160L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV430405 + LV429090**	*2,158.80*	**LV430410 + LV429100**	*3,430.40*
160	**LV430405 + LV430490**	*2,158.80*	**LV430410 + LV430495**	*3,430.40*
Compact NSX250L (150 kA at 380/415 V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV431405 + LV429090**	*2,913.80*	**LV431410 + LV429100**	*4,714.50*
160	**LV431405 + LV430490**	*2,913.80*	**LV431410 + LV430495**	*4,714.50*
250	**LV431405 + LV431490**	*2,913.80*	**LV431410 + LV431495**	*4,714.50*

Price adder for advanced trip unit (add following amount to circuit breakers with TM trip units)				
Trip unit	**3 pole**	**Price (S$)**	**4 pole**	**Price (S$)**
Micrologic 5.2 E		*1,989.00*		*2,550.00*
Micrologic 6.2 A		*2,187.90*		*2,805.00*
Micrologic 6.2 E		*2,406.70*		*3,085.50*

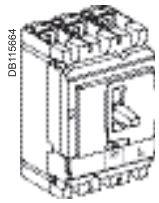
Life Is On Schneider Electric

NSX100/160/250L:
complete fixed/FC device (cont.)
Compact NSX100/160/250L (150kA 380/415V) (cont.)

Unit price (excl.GST) in Singapore dollars S$

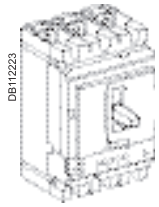
Compact NSX100/160/250L

With magnetic trip unit MA



Compact NSX100L (150 kA at 380/415 V)		
Rating	**3P** 3d	**Price (S$)**
MA2.5	**LV429005 + LV429125**	*760.30*
MA6.3	**LV429005 + LV429124**	*760.30*
MA12.5	**LV429005 + LV429123**	*760.30*
MA25	**LV429005 + LV429122**	*760.30*
MA50	**LV429005 + LV429121**	*760.30*
MA100	**LV429005 + LV429120**	*760.30*
Compact NSX160L (150 kA at 380/415 V)		
Rating	**3P** 3d	
MA100	**LV430405 + LV429120**	*1,046.30*
MA150	**LV430405 + LV430500**	*1,046.30*
Compact NSX250L (150 kA at 380/415 V)		
Rating	**3P** 3d	
MA150	**LV431405 + LV430500**	*1,794.00*
MA220	**LV431405 + LV431500**	*1,794.00*

With electronic trip unit Micrologic 2.2-M (LS_OI motor protection)



Compact NSX100L (150 kA at 380/415 V)		
Rating	**3P** 3d	
25	**LV429005 + LV429174**	*1,082.70*
50	**LV429005 + LV429172**	*1,082.70*
100	**LV429005 + LV429170**	*1,082.70*
Compact NSX160L (150 kA at 380/415 V)		
Rating	**3P** 3d	
100	**LV430405 + LV429170**	*1,368.70*
150	**LV430405 + LV430520**	*1,368.70*
Compact NSX250L (150 kA at 380/415 V)		
Rating	**3P** 3d	
150	**LV431405 + LV430520**	*2,116.40*
220	**LV431405 + LV431520**	*2,116.40*

NSX100/250R
complete fixed/FC device
Compact NSX100/250R (200 kA 440 V)

Unit price (excl.GST) in Singapore dollars S$

B

Compact NSX100/250R

With thermal-magnetic trip unit TM-D

DB112222

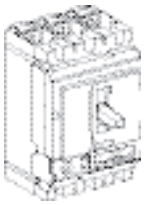
Compact NSX100R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d	**Price (S$)**	**4P 4**d	**Price (S$)**
TM40D	**LV433200**	*763.40*	**LV433201**	*1,361.40*
TM50D	**LV433202**	*763.40*	**LV433203**	*1,361.40*
TM63D	**LV433204**	*763.40*	**LV433205**	*1,361.40*
TM80D	**LV433206**	*763.40*	**LV433207**	*1,361.40*
TM100D	**LV433208**	*763.40*	**LV433209**	*1,361.40*
Compact NSX250R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d		**4P 4**d	
TM125D	**LV433470**	*1,939.80*	**LV433471**	*3,275.40*
TM160D	**LV433472**	*1,939.80*	**LV433473**	*3,275.40*
TM200D	**LV433474**	*1,939.80*	**LV433475**	*3,275.40*
TM250D	**LV433476**	*1,939.80*	**LV433477**	*3,275.40*

With electronic trip unit Micrologic 2.2 (LS_OI protection)

DB112223

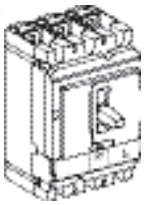
Compact NSX100R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV433270**	*988.90*	**LV433271**	*1,639.00*
100	**LV433272**	*988.90*	**LV433273**	*1,639.00*
Compact NSX250R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV433510**	*2,121.10*	**LV433511**	*3,582.80*
160	**LV433512**	*2,121.10*	**LV433513**	*3,582.80*
250	**LV433514**	*2,121.10*	**LV433515**	*3,582.80*

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)


DB112224

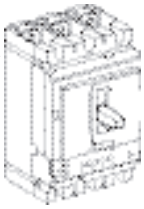
Compact NSX100R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV433277**	*2,724.30*	**LV433278**	*3,939.80*
100	**LV433279**	*2,724.30*	**LV433280**	*3,939.80*
Compact NSX250R (200kA at 440 V - 45kA at 660/690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV433518**	*4,045.70*	**LV433519**	*6,190.00*
160	**LV433520**	*4,045.70*	**LV433521**	*6,190.00*
250	**LV433522**	*4,045.70*	**LV433523**	*6,190.00*

With magnetic trip unit MA


DB115664

Compact NSX100R (200kA at 440 V - 45kA at 660/690V)		
Rating	**3P** 3d	**Price (S$)**
MA12.5	**LV433242**	*875.30*
MA25	**LV433243**	*875.30*
MA50	**LV433244**	*875.30*
MA100	**LV433245**	*875.30*
Compact NSX250R (200kA at 440 V - 45kA at 660/690V)		
Rating	**3P** 3d	
MA150	**LV433500**	*1,543.00*
MA220	**LV433501**	*1,605.00*

With electronic trip unit Micrologic 2.2-M (LS_OI motor protection)


DB112223

Compact NSX100R (200kA at 440 V - 45kA at 660/690V)		
Rating	**3P** 3d	
25	**LV433274**	*1,246.60*
50	**LV433275**	*1,246.60*
100	**LV433276**	*1,246.60*
Compact NSX250R (200kA at 440 V - 45kA at 660/690V)		
Rating	**3P** 3d	
150	**LV433516**	*2,438.60*
220	**LV433517**	*2,438.60*

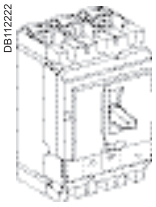
Life Is On Schneider Electric

NSX100/250HB1
complete fixed/FC device
Compact NSX100/250HB1 (75 kA 690 V)

Unit price (excl.GST) in Singapore dollars S$

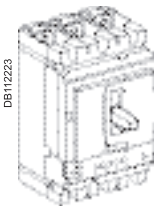
Compact NSX100/250HB1

With thermal-magnetic trip unit TM-D



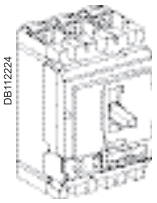
Compact NSX100HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d	**Price (S$)**	**4P 4**d	**Price (S$)**
TM40D	**LV433210**	*791.50*	**LV433211**	*1,344.80*
TM50D	**LV433212**	*791.50*	**LV433213**	*1,344.80*
TM63D	**LV433214**	*791.50*	**LV433215**	*1,344.80*
TM80D	**LV433216**	*791.50*	**LV433217**	*1,344.80*
TM100D	**LV433218**	*791.50*	**LV433219**	*1,344.80*
Compact NSX250HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d		**4P 4**d	
TM125D	**LV433478**	*2,033.90*	**LV433479**	*3,460.80*
TM160D	**LV433480**	*2,033.90*	**LV433481**	*3,460.80*
TM200D	**LV433482**	*2,033.90*	**LV433483**	*3,460.80*
TM250D	**LV433484**	*2,033.90*	**LV433485**	*3,460.80*

With electronic trip unit Micrologic 2.2 (LS_0I protection)



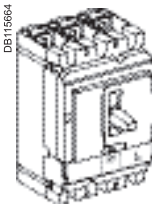
Compact NSX100HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV433300**	*998.60*	**LV433301**	*1,656.90*
100	**LV433302**	*998.60*	**LV433303**	*1,656.90*
Compact NSX250HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV433540**	*2,168.30*	**LV433541**	*3,760.10*
160	**LV433542**	*2,168.30*	**LV433543**	*3,760.10*
250	**LV433544**	*2,168.30*	**LV433545**	*3,760.10*

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



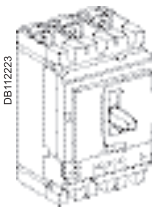
Compact NSX100HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV433307**	*3,016.80*	**LV433308**	*4,221.00*
100	**LV433309**	*3,016.80*	**LV433310**	*4,221.00*
Compact NSX250HB1 (85kA at 500 V - 75kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV433548**	*4,325.90*	**LV433549**	*6,450.10*
160	**LV433550**	*4,325.90*	**LV433551**	*6,450.10*
250	**LV433552**	*4,325.90*	**LV433553**	*6,450.10*

With magnetic trip unit MA



Compact NSX100HB1 (85kA at 500 V - 75kA at 690V)		
Rating	**3P** 3d	**Price (S$)**
MA12.5	**LV433248**	*928.80*
MA25	**LV433249**	*928.80*
MA50	**LV433250**	*928.80*
MA100	**LV433251**	*928.80*
Compact NSX250HB1 (85kA at 500 V - 75kA at 690V)		
Rating	**3P** 3d	
MA150	**LV433502**	*2,122.90*
MA220	**LV433503**	*2,187.10*

With electronic trip unit Micrologic 2.2-M (LS_0I motor protection)



Compact NSX100HB1 (85kA at 500 V - 75kA at 690V)		
Rating	**3P** 3d	
25	**LV433304**	*1,322.60*
50	**LV433305**	*1,322.60*
100	**LV433306**	*1,322.60*
Compact NSX250HB1 (85kA at 500 V - 75kA at 690V)		
Rating	**3P** 3d	
150	**LV433546**	*2,583.00*
220	**LV433547**	*2,583.00*

NSX100/250HB2
complete fixed/FC device
Compact NSX100/250HB2 (100 kA 690 V)

Unit price (excl.GST) in Singapore dollars S$

B

Compact NSX100/250HB2

With thermal-magnetic trip unit TM-D

DB112222

Compact NSX100HB2 (100kA at 500 V - 100kA at 690V)				
Rating	**3P** 3d	**Price (S$)**	**4P 4**d	**Price (S$)**
TM40D	**LV433220**	*950.60*	**LV433221**	*1,614.10*
TM50D	**LV433222**	*950.60*	**LV433223**	*1,614.10*
TM63D	**LV433224**	*950.60*	**LV433225**	*1,614.10*
TM80D	**LV433226**	*950.60*	**LV433227**	*1,614.10*
TM100D	**LV433228**	*950.60*	**LV433229**	*1,614.10*
Compact NSX250HB2 (100A at 500 V - 100kA at 690V)				
Rating	**3P** 3d		**4P 4**d	
TM125D	**LV433486**	*2,487.80*	**LV433487**	*4,153.80*
TM160D	**LV433488**	*2,418.00*	**LV433489**	*4,153.80*
TM200D	**LV433490**	*2,418.00*	**LV433491**	*4,153.80*
TM250D	**LV433492**	*2,418.00*	**LV433493**	*4,153.80*

With electronic trip unit Micrologic 2.2 (LS_oI protection)

DB112223

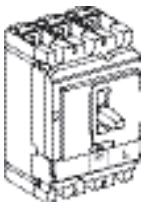
Compact NSX100HB2 (100kA at 500 V - 100kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
40	**LV433330**	*1,199.10*	**LV433331**	*1,988.70*
100	**LV433332**	*1,199.10*	**LV433333**	*1,988.70*
Compact NSX250HB2 (100A at 500 V - 100kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
100	**LV433570**	*2,601.90*	**LV433571**	*4,512.90*
160	**LV433572**	*2,601.90*	**LV433573**	*4,512.90*
250	**LV433574**	*2,601.90*	**LV433575**	*4,512.90*

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)

DB112224

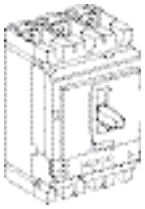
Compact NSX100HB2 (100kA at 500 V - 100kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
40	**LV433337**	*3,187.50*	**LV433338**	*4,509.30*
100	**LV433339**	*3,187.50*	**LV433340**	*4,509.30*
Compact NSX250HB2 (100A at 500 V - 100kA at 690V)				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2, OSN	
100	**LV433578**	*4,757.30*	**LV433579**	*7,184.70*
160	**LV433580**	*4,757.30*	**LV433581**	*7,184.70*
250	**LV433582**	*4,757.30*	**LV433583**	*7,184.70*

With magnetic trip unit MA


DB115664

Compact NSX100HB2 (100kA at 500 V - 100kA at 690V)		
Rating	**3P** 3d	**Price (S$)**
MA12.5	**LV433254**	*1,115.00*
MA25	**LV433255**	*1,115.00*
MA50	**LV433256**	*1,115.00*
MA100	**LV433257**	*1,115.00*
Compact NSX250HB2 (100A at 500 V - 100kA at 690V)		
Rating	**3P** 3d	
MA150	**LV433504**	*2,547.70*
MA220	**LV433505**	*2,624.80*

With electronic trip unit Micrologic 2.2-M (LS_oI motor protection)


DB112223

Compact NSX100HB2 (100kA at 500 V - 100kA at 690V)		
Rating	**3P** 3d	
25	**LV433334**	*1,587.90*
50	**LV433335**	*1,587.90*
100	**LV433336**	*1,587.90*
Compact NSX250HB2 (100A at 500 V - 100kA at 690V)		
Rating	**3P** 3d	
150	**LV433576**	*3,099.80*
220	**LV433577**	*3,099.80*

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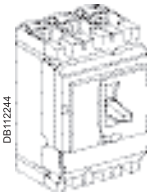
NSX100/160/250NA:
complete fixed/FC device
Compact NSX100/160/250NA

Unit price (excl.GST) in Singapore dollars S$

Compact NSX100/160/250NA switch-disconnector

With NA switch-disconnector unit



Compact NSX100NA

Rating	3P	Price (S$)	4P	Price (S$)
100	**LV429629**	*305.00*	**LV429639**	*471.20*

Compact NSX160NA

Rating	3P		4P	
160	**LV430629**	*462.10*	**LV430639**	*754.00*

Compact NSX250NA

Rating	3P		4P	
250	**LV431629**	*771.20*	**LV431639**	*1,336.40*

Trip unit accessories
Compact and Vigicompact
NSX100/160/250

Unit price (excl.GST) in Singapore dollars S$

Trip unit accessories

External neutral CT for 3 pole breaker with Micrologic 5/6

DB112733

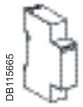
		Price (S$)
25-100 A	**LV429521**	*418.00*
150-250 A	**LV430563**	*418.00*

24 V DC wiring accessory for Micrologic 5/6

DB112730

24 V DC power supply connector	**LV434210**	*363.00*

ZSI wiring accessory for NS630b NW with NSX


DB115665

ZSI module	**LV434212**	*609.40*

Vigi module accessories

Connection for a 4P Vigi module on a 3P breaker	**LV429214**	*110.00*

+ Vigi module or insulation monitoring module

Description	3P	Price (S$)	4P	Price (S$)
ME type for NSX 100/ 160 (200 to 440 V)	**LV429212**	*939.80*	**LV429213**	*939.80*
MH type for NSX 100/ 160 (200 to 440 V)	**LV429210**	*939.80*	**LV429211**	*939.80*
MH type for NSX250 (200 to 440 V)	**LV431535**	*1,326.20*	**LV431536**	*1,326.20*
Connection for a 4P Vigi on a 3P breaker			**LV429214**	*110.00*

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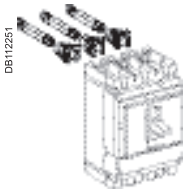
Installation and connection
Compact and Vigicompact
NSX100/160/250

Unit price (excl.GST) in Singapore dollars S$

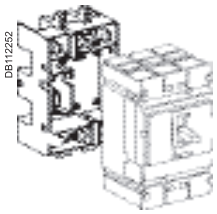
Fixed/RC device = fixed/FC device + rear connection kit



Short RC kit			Price (S$)
Kit 3P	Short RCs	*3 x* **LV429235**	*77.70*
Kit 4P	Short RCs	*4 x* **LV429235**	*77.70*
Mixed RC kit			
Kit 3P	Short RCs	*2 x* **LV429235**	*77.70*
	Long RCs	*1 x* **LV429236**	*111.30*
Kit 4P	Short RCs	*2 x* **LV429235**	*77.70*
	Long RCs	*2 x* **LV429236**	*111.30*

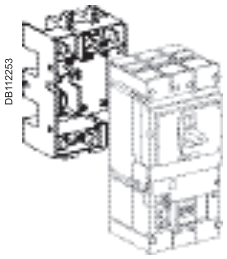
Plug-in version = fixed/FC device + plug-in kit

Kit for Compact



	2P (3P)	Price (S$)	3P	Price (S$)	4P	Price (S$)
Plug-in kit	**LV429288**	*290.70*	**LV429289**	*383.60*	**LV429290**	*500.90*
Comprising:						
Base	= 1 x LV429265		= 1 x LV429266		= 1 x LV429267	
Power connections	+ 2 x LV429268		+ 3 x LV429268		+ 4 x LV429268	
Short terminal shields	+ 2 x LV429515		+ 2 x LV429515		+ 2 x LV429516	
Safety trip interlock	+ 1 x LV429270		+ 1 x LV429270		+ 1 x LV429270	

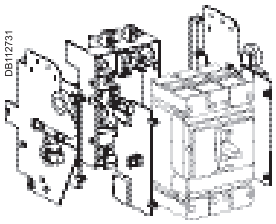
Kit for Vigicompact



	3P	Price (S$)	4P	Price (S$)
Vigicompact plug-in kit	**LV429291**	*539.60*	**LV429292**	*708.90*
Comprising:				
Base	= 1 x LV429266		= 1 x LV429267	
Power connections	+ 3 x LV429269		+ 4 x LV429269	
Short terminal shields	+ 2 x LV429515		+ 2 x LV429516	
Safety trip interlock	+ 1 x LV429270		+ 1 x LV429270	

Withdrawable version = fixed/FC device + withdrawable kit

Kit for Compact



	2P (3P)	Price (S$)	3P	Price (S$)	4P	Price (S$)
Withdrawable kit for Compact comprising:		***690.60***		***783.50***		***900.80***
Plug-in kit	1 x **LV429288**	*290.70*	1 x **LV429289**	*383.60*	1 x **LV429290**	*500.90*
+	+		+		+	
Chassis side plates for base +	1 x **LV429282**	*297.90*	1 x **LV429282**	*297.90*	1 x **LV429282**	*297.90*
+	+		+		+	
Chassis side plates for breaker	1 x **LV429283**	*102.00*	1 x **LV429283**	*102.00*	1 x **LV429283**	*102.00*

Kit for Vigicompact

	3P	Price (S$)	4P	Price (S$)
Withdrawable kit for Vigicompact		***939.50***		***1,108.80***
Comprising:				
Plug-in kit	1 x **LV429291**	*539.60*	1 x **LV429292**	*708.90*
+	+		+	
Chassis side plates for base	1 x **LV429282**	*297.90*	1 x **LV429282**	*297.90*
+	+		+	
Chassis side plates for breaker	1 x **LV429283**	*102.00*	1 x **LV429283**	*102.00*

Accessories

Compact and Vigicompact

NSX100/160/250

Unit price (excl.GST) in Singapore dollars S$

Connection accessories (Cu or Al)

					Price (S$)
Rear connections					
	Set of 2 short			**LV429235**	*77.70*
	Set of 2 long			**LV429236**	*111.30*
Bare cable connectors					
	Steel connectors	1 x (1.5 to 95 mm²) ; ≤ 160 A	Set of 3	**LV429242**	*41.00*
			Set of 4	**LV429243**	*49.40*
	Aluminium connectors	1 x (25 to 95 mm²) ; ≤ 250 A	Set of 3	**LV429227**	*123.90*
			Set of 4	**LV429228**	*173.30*
		1 x (120 to 185 mm²) ; ≤ 250 A	Set of 3	**LV429259**	*123.90*
			Set of 4	**LV429260**	*148.10*
	Clips for connectors		Set of 10	**LV429241**	*22.50*
	Aluminium connectors for 2 cables (1)	2 x (50 to 120 mm²) ; ≤ 250 A	Set of 3	**LV429218**	*138.10*
			Set of 4	**LV429219**	*180.90*
	Aluminium connectors (1) for 6 cables	6 x (1.5 to 35 mm²) ; ≤ 250 A	Set of 3	**LV429248**	*225.80*
			Set of 4	**LV429249**	*300.70*
	6.35 mm voltage tap for steel or aluminium connectors		Set of 10	**LV429348**	*41.80*
Terminal extensions					
	45° terminal extension (1)		Set of 3	**LV429223**	*43.90*
			Set of 4	**LV429224**	*58.90*
	Edgewise terminal extensions (1)		Set of 3	**LV429308**	*53.50*
			Set of 4	**LV429309**	*70.70*
	Right-angle terminal extensions (1)		Set of 3	**LV429261**	*43.90*
			Set of 4	**LV429262**	*61.00*
	Straight terminal extensions (1)		Set of 3	**LV429263**	*43.90*
			Set of 4	**LV429264**	*58.90*
	Double-L terminal extensions (1)		Set of 3	**LV429221**	*61.00*
			Set of 4	**LV429222**	*81.40*
	Spreaders from 35 to 45 mm pitch (1)		3P	**LV431563**	*45.20*
			4P	**LV431564**	*59.90*
	One-piece spreader from 35 to 45 mm pitch		3P	**LV431060**	*221.60*
			4P	**LV431061**	*272.00*
	Front alignment base (for one-piece spreader)		3P/4P	**LV431064**	*178.50*

(1) Supplied with 2 or 3 interphase barriers.

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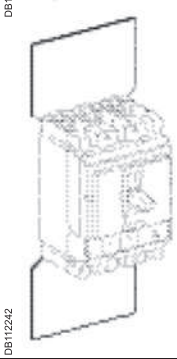
Accessories (cont.)
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Crimp lugs for copper cable (1)				**Price (S$)**
DB112237	For cable 120 mm²	Set of 3	**LV429252**	*85.90*
		Set of 4	**LV429256**	*119.20*
	For cable 150 mm²	Set of 3	**LV429253**	*100.00*
		Set of 4	**LV429257**	*142.50*
	For cable 185 mm²	Set of 3	**LV429254**	*124.30*
		Set of 4	**LV429258**	*166.70*
Crimp lugs for aluminium cable (1)				
DB112238	For cable 150 mm²	Set of 3	**LV429504**	*237.40*
		Set of 4	**LV429505**	*304.10*
	For cable 185 mm²	Set of 3	**LV429506**	*283.90*
		Set of 4	**LV429507**	*333.30*
Insulation accessories				
DB112239	1 short terminal shield for breaker or plug-in base	3P	**LV429515**	*20.60*
		4P	**LV429516**	*26.00*
DB112240	1 long terminal shield for breaker or plug-in base	3P	**LV429517**	*25.20*
		4P	**LV429518**	*31.50*
DB112241	Interphase barriers for breaker or plug-in base	Set of 6	**LV429329**	*27.30*
DB112734	Connection adapter for plug-in base	3P	**LV429306**	*26.30*
		4P	**LV429307**	*31.50*
 DB112242	2 insulating screens for breaker (45 mm pitch)	3P	**LV429330**	*49.40*
		4P	**LV429331**	*36.80*

(1) *Supplied with 2 or 3 interphase barriers.*

Accessories (cont.)
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Electrical auxiliaries

Auxiliary contacts (changeover)

DB112254

		Price (S$)
OF or SD or SDE or SDV	**29450**	*65.30*
OF or SD or SDE or SDV low level	**29452**	*104.10*
SDE adapter, mandatory for trip unit TM, MA or Micrologic 2	**LV429451**	*25.00*

SDx output module for Micrologic

DB112275

SDx module 24/415 V AC/DC	**LV429532**	*402.40*

SDTAM contactor tripping module (early-break thermal fault signal) for Micrologic 2.2-M/6.2 E-M

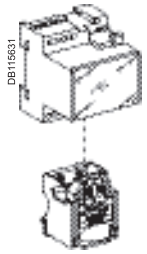
DB112276

SDTAM 24/415 V AC/DC overload fault indication	**LV429424**	*451.60*

Voltage releases

DB111454

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	**LV429384**	*146.70*	**LV429404**	*204.90*
	48 V 50/60 Hz	**LV429385**	*146.70*	**LV429405**	*204.90*
	110-130 V 50/60 Hz	**LV429386**	*146.70*	**LV429406**	*204.90*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV429387**	*146.70*	**LV429407**	*204.90*
	380-415 V 50 Hz and 440-480 V 60 Hz	**LV429388**	*146.70*	**LV429408**	*204.90*
	525 V 50 Hz and 600 V 60 Hz	**LV429389**	*146.70*	**LV429409**	*204.90*
DC	12 V	**LV429382**	*146.70*	**LV429402**	*204.90*
	24 V	**LV429390**	*146.70*	**LV429410**	*204.90*
	30 V	**LV429391**	*146.70*	**LV429411**	*204.90*
	48 V	**LV429392**	*146.70*	**LV429412**	*204.90*
	60 V	**LV429383**	*146.70*	**LV429403**	*204.90*
	125 V	**LV429393**	*146.70*	**LV429413**	*204.90*
	250 V	**LV429394**	*146.70*	**LV429414**	*204.90*


DB115631

MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**LV429426**	*307.90*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-240 V 50/60 Hz	**LV429427**	*284.00*
MN 48 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**33680**	*536.70*
MN110-130 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 125 V DC	**LV429413**	*204.90*
	Delay unit 110-130 V 50/60 Hz	**33681**	*536.70*
MN 220-250 V 50/60 Hz with adjustable time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-250 V 50/60 Hz	**33682**	*536.70*

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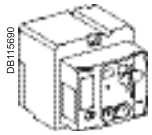
Accessories (cont.)
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

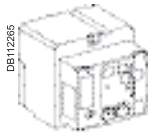
Motor mechanism

Motor mechanism module supplied with SDE adapter (Factory assembled only. Order separately is strictly prohibited.)



	Voltage	MT100/160	Price (S$)	MT250	Price (S$)
AC	48-60 V 50/60 Hz	**LV429440**	*754.40*	**LV431548**	*1,004.80*
	110-130 V 50/60 Hz	**LV429433**	*754.40*	**LV431540**	*1,004.80*
	220-240 V 50/60 Hz and 208-277V 60Hz	**LV429434**	*754.40*	**LV431541**	*1,004.80*
	380-415 V 50/60 Hz and 440-480 V 60Hz	**LV429435**	*754.40*	**LV431542**	*1,004.80*
DC	24-30 V	**LV429436**	*878.50*	**LV431543**	*1,255.20*
	48-60 V	**LV429437**	*878.50*	**LV431544**	*1,255.20*
	110-130 V	**LV429438**	*878.50*	**LV431545**	*1,255.20*
	250 V	**LV429439**	*878.50*	**LV431546**	*1,255.20*

Communicating motor mechanism module supplied with SDE adapter



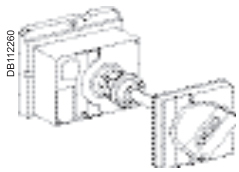
				Price (S$)
Motor mechanism module	MTc 100/160	220-240 V 50/60 Hz	**LV429441**	*1,806.20*
	MTc 250		**LV431549**	*1,548.80*
+				
Breaker and Status Communication Module	BSCM		**LV434205**	*479.40*
+				
NSX cord	Wire length L = 0.35 m		**LV434200**	*168.00*
	Wire length L = 1.3 m		**LV434201**	*196.90*
	Wire length L = 3 m		**LV434202**	*205.50*
	U > 480 V AC wire length L = 0.35 m		**LV434204**	*1,807.30*

Rotary handles

Direct rotary handle

		Price (S$)
With black handle	**LV429337**	*90.50*
With red handle on yellow front	**LV429339**	*97.10*
MCC conversion accessory	**LV429341**	*256.20*
CNOMO conversion accessory	**LV429342**	*182.10*

Extended rotary handle



		Price (S$)
With black handle	**LV429338**	*149.40*
With red handle on yellow front	**LV429340**	*160.30*
With telescopic handle for withdrawable device	**LV429343**	*359.70*

Accessories for direct or extended rotary handle

			Price (S$)
Indication auxiliary	1 early-break contact	**LV429345**	*155.10*
	2 early-make contacts	**LV429346**	*155.10*

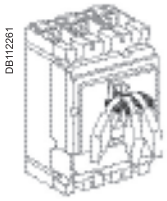
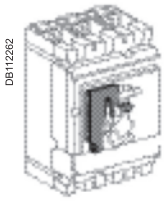
Accessories (cont.)
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

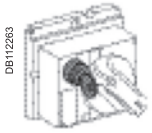
B

Locks

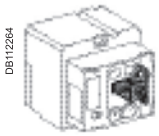
Toggle locking device for 1 to 3 padlocks

			Price (S$)
 DB112261	By removable device	**29370**	*22.00*
 DB112262	By fixed device	**LV429371**	*51.70*

Locking of rotary handle

			Price (S$)
 DB112263	Keylock adapter (keylock not included)	**LV429344**	*30.80*
	Keylock (keylock adapter not included) – Ronis 1351B.500	**41940**	*124.30*
	Keylock (keylock adapter not included) – Profalux KS5 B24 D4Z	**42888**	*361.90*

Locking of motor mechanism module

			Price (S$)
 DB112264	Keylock adapter + Ronis keylock (special)	**LV429449**	*104.50*

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Accessories (cont.)

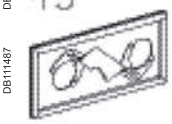
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Interlocking

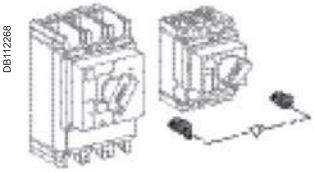
Mechanical interlocking for circuit breakers

DB111486


DB111487

		Price (S$)
With toggles	LV429354	309.10
With rotary handles	LV429369	387.20

Interlocking with key (2 keylocks / 1 key) for rotary handles


DB112268

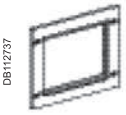
			Price (S$)
Keylock kit (keylock not included)	for only one device	LV429344	30.80
1 set of 2 keylocks	Ronis 1351B.500	41950	276.10
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	724.90

Installation accessories

Front-panel escutcheons

DB112269

IP30


DB112737

IP40

		Price (S$)
IP30 escutcheon for all control types	LV429525	110.00
IP30 trip unit access escutcheon for toggle	LV429526	110.00
IP30 escutcheon for Vigi module	LV429527	110.00
IP40 escutcheon for all control types	LV429317	110.00
IP40 escutcheon for Vigi module	LV429316	22.00
IP40 escutcheon for Vigi or ammeter module	LV429318	97.90

IP43 rubber toggle cover

DB112738

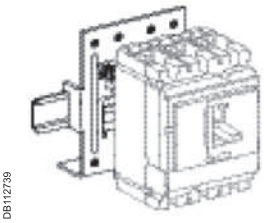
		Price (S$)
1 toggle cover	LV429319	168.30

Lead-sealing accessories

DB115615

		Price (S$)
Bag of accessories	LV429375	36.30

Din rail adapter


DB112739

		Price (S$)
1 adapter	LV429305	181.50

Accessories (cont.)
Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

B

Plug-in/withdrawable version accessories

Insulation accessories

				Price (S$)
DB117159	1 connection adapter for plug-in base	3P	**LV429306**	*26.30*
		4P	**LV429307**	*31.50*

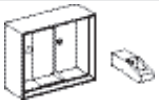
Auxiliary connections

				Price (S$)
DB117160	1 9-wire fixed connector (for base)		**LV429273**	*71.30*
DB117161	1 9-wire moving connector (for circuit breaker)		**LV429274**	*45.20*
DB117162	1 support for 2 moving connectors		**LV429275**	*23.10*
DB115885	9-wire manual auxiliary connector (fixed + moving)		**LV429272**	*161.70*

Plug-in base accessories

				Price (S$)
DB117164	2 long insulated right angle terminal extensions	Set of 2	**LV429276**	*123.90*
DB117165	2 IP40 shutters for base		**LV429271**	*73.50*
DB117166	Base	2P	**LV429265**	*167.40*
		3P	**LV429266**	*227.90*
DB117167	Base	4P	**LV429267**	*303.50*
DB117168	2 power connections	2/3/4P	**LV429268**	*37.80*
DB117169	1 short terminal shield	2/3P	**LV429515**	*20.60*
DB117170	1 short terminal shield	4P	**LV429516**	*26.00*
DB117171	1 safety trip interlock	2/3/4P	**LV429270**	*23.80*

Chassis accessories

				Price (S$)
 DB117172	Escutcheon collar	Toggle	**LV429284**	*42.20*
DB117173	Escutcheon collar	Vigi module	**LV429285**	*42.20*
DB117163	Locking kit (keylock not included)		**LV429286**	*137.20*
	Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
		Profalux KS5 B24 D4Z	**42888**	*361.90*
DB114426	2 carriage switches (connected/disconnected position indication)		**LV429287**	*113.30*

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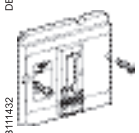
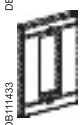
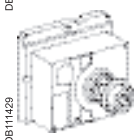
Accessories (cont.)

Compact and Vigicompact NSX100/160/250 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Spare parts

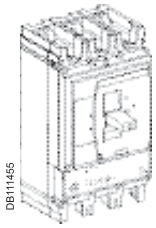
				Price (S$)
DB111430	10 spare toggle extensions (NSX250)		**LV429313**	*42.90*
DB115620	Bag of screws		**LV429312**	*19.80*
DB111431	12 snap-in nuts (fixed/FC)	M6 for NSX100N/H/L	**LV429234**	*62.70*
		M8 for NSX160/250N/H/L	**LV430554**	*62.70*
 DB111432	NS retrofit escutcheon	Small cut-out	**LV429528**	*21.90*
 DB111433	IP40 toggle escutcheon	Compact NS type/small cut-out	**29315**	*24.50*
DB111438	1 set of 10 identification labels		**LV429226**	*48.90*
 DB111429	1 base for extended rotary handle		**LV429502**	*113.40*
DB111436	5 transparent covers for trip unit	TM, MA, NA	**LV429481**	*34.40*
		Micrologic 2	**LV429481**	*34.40*
		Micrologic 5/6	**LV429478**	*29.20*

NSX400/630F:
complete fixed/FC device
Compact NSX400/630F (36 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

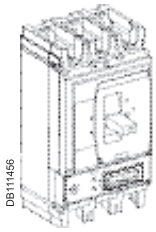
Compact NSX400/630F

Electronic trip unit Micrologic 2.3 (LS_oI protection)



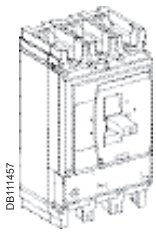
		3P 3d	Price (S$)	**4P** 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400F	400 A	**LV432676SPDR**	*1,233.20*	**LV432677SPDR**	*1,972.70*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630F	630 A	**LV432876SPDR**	*1,819.70*	**LV432877SPDR**	*3,094.70*

Electronic trip unit Micrologic 5.3 A (LSI protection, ammeter)



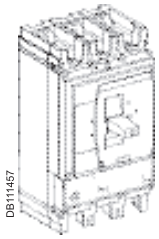
		3P 3d	Price (S$)	**4P** 3d, 4d, 3d + N/2, 3d + OSN	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400F	400 A	**LV432678SPDR**	*2,151.20*	**LV432679SPDR**	*3,349.70*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630F	630 A	**LV432878SPDR**	*2,737.70*	**LV432879SPDR**	*4,471.70*

Electronic trip unit Micrologic 1.3-M (I motor protection)



		3P 3d	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX400F 1.3-M (36 kA at 380/415V)	320 A	**LV432748SPDR**	*1,539.20*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX630F 1.3-M (36 kA at 380/415V)	500 A	**LV432948SPDR**	*2,125.70*

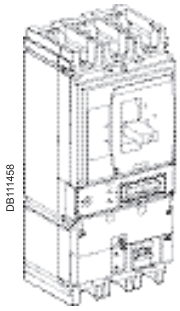
Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



		3P 3d	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX400F 2.3-M (36 kA at 380/415V)	320 A	**LV432775SPDR**	*1,722.80*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX630F 2.3-M (36 kA at 380/415V)	500 A	**LV432975SPDR**	*2,309.30*

Vigicompact NSX400/630F

Electronic trip unit Micrologic 2.3 (LS_oI protection)



		3P 3d	Price (S$)	**4P** 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Vigicompact NSX400F	400 A	**LV432731SPDR**	*2,768.30*	**LV432732SPDR**	*3,628.10*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Vigicompact NSX630F	630 A	**LV432931SPDR**	*3,354.80*	**LV432932SPDR**	*4,750.10*

Price adder for advanced trip unit (add following amount to circuit breakers with Micrologic 2.3 trip units)

Trip unit	3 pole	Price (S$)	4 pole	Price (S$)
Micrologic 5.3 E		*1,989.00*		*2,550.00*
Micrologic 6.3 A		*2,187.90*		*2,805.00*
Micrologic 6.3 E		*2,406.70*		*3,085.50*

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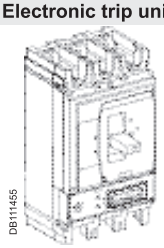
NSX400/630N:
complete fixed/FC device
Compact NSX400/630N (50 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

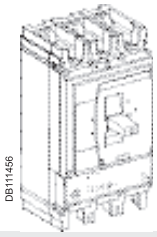
Compact NSX400/630N

Electronic trip unit Micrologic 2.3 (LS_oI protection)



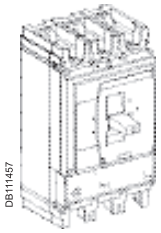
		3P 3d	**Price (S$)**	**4P** 3d, 4d, 3d + N/2	**Price (S$)**
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400N	400 A	**LV432693SPDR**	*1,480.10*	**LV432694SPDR**	*2,515.40*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630N	630 A	**LV432893SPDR**	*2,142.00*	**LV432894SPDR**	*3,641.40*

Electronic trip unit Micrologic 5.3 A (LSI protection, ammeter)



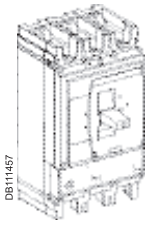
		3P 3d	**Price (S$)**	**4P** 3d, 4d, 3d + N/2, 3d + OSN	**Price (S$)**
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400N	400 A	**LV432699SPDR**	*2,398.10*	**LV432700SPDR**	*3,892.40*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630N	630 A	**LV432899SPDR**	*3,060.00*	**LV432900SPDR**	*5,018.40*

Electronic trip unit Micrologic 1.3-M A (I motor protection)



			3P 3d	**Price (S$)**
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX400N 1.3-M (50 kA at 380/415V)		320 A	**LV432749SPDR**	*1,786.10*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630N 1.3-M (50 kA at 380/415V)		500 A	**LV432949SPDR**	*2,448.00*

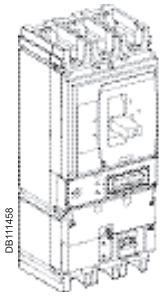
Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



			3P 3d	**Price (S$)**
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX400N 2.3-M (50 kA at 380/415V)		320 A	**LV432776SPDR**	*1,969.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630N 2.3-M (50 kA at 380/415V)		500 A	**LV432976SPDR**	*2,631.60*

Vigicompact NSX400/630N

Electronic trip unit Micrologic 2.3 (LS_oI protection)



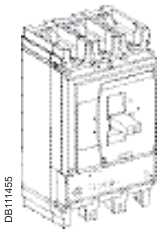
		3P 3d	**Price (S$)**	**4P** 3d, 4d, 3d + N/2	**Price (S$)**
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Vigicompact NSX400N	400 A	**LV432733SPDR**	*3,015.10*	**LV432734SPDR**	*4,170.80*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Vigicompact NSX630N	630 A	**LV432933SPDR**	*3,677.10*	**LV432934SPDR**	*5,296.90*

NSX400/630H:
complete fixed/FC device
Compact NSX400/630H (70 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

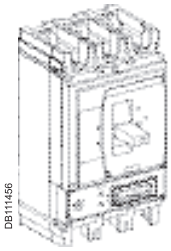
Compact NSX400/630H

Electronic trip unit Micrologic 2.3 (LS_OI protection)



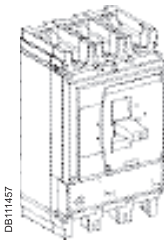
		3P 3d	Price (S$)	**4P** 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400H	400 A	**LV432695SPDR**	*1,846.20*	**LV432696SPDR**	*3,138.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630H	630 A	**LV432895SPDR**	*2,548.00*	**LV432896SPDR**	*4,332.00*

Electronic trip unit Micrologic 5.3 A (LSI protection, ammeter)



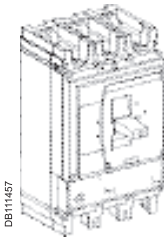
		3P 3d	Price (S$)	**4P** 3d, 4d, 3d + N/2, 3d + OSN	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX400H	400 A	**LV432701SPDR**	*2,764.20*	**LV432702SPDR**	*4,515.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
Compact NSX630H	630 A	**LV432901SPDR**	*3,466.00*	**LV432902SPDR**	*5,708.90*

Electronic trip unit Micrologic 1.3-M (I motor protection)



		3P 3d	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX400H 1.3-M (70 kA at 380/415V)	320 A	**LV432750SPDR**	*2,152.20*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX630H 1.3-M (70 kA at 380/415V)	500 A	**LV432950SPDR**	*2,854.00*

Electronic trip unit Micrologic 2.3-M (LS_OI motor protection)



		3P 3d	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX400H 2.3-M (70 kA at 380/415V)	320 A	**LV432777SPDR**	*2,335.80*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders			
Compact NSX630H 2.3-M (70 kA at 380/415V)	500 A	**LV432977SPDR**	*3,037.60*

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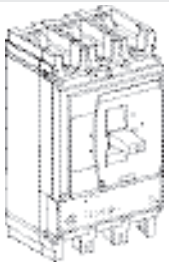
NSX400/630S:
complete fixed/FC device
Compact NSX400/630S (100 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

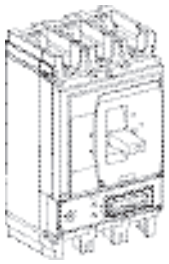
Compact NSX400/630S

Electronic trip unit Micrologic 2.3 (LS_oI protection)



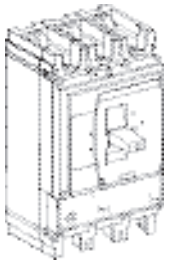
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400S	400 A	**3P**	**LV432414 + LV432081 + (2x) LV432490**	*2,237.20*
		4P	**LV432416 + LV432085 + (2x) LV432491**	*3,802.80*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630S	630 A	**3P**	**LV432814 + LV432080 + (2x) LV432492**	*3,088.00*
		4P	**LV432816 + LV432084 + (2x) LV432493**	*5,248.90*

Electronic trip unit Micrologic 5.3 A (LSI protection, ammeter)



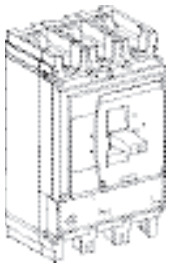
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400S	400 A	**3P**	**LV432414 + LV432091 + (2x) LV432490**	*3,225.60*
		4P	**LV432416 + LV432094 + (2x) LV432491**	*5,294.10*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630S	630 A	**3P**	**LV432814 + LV432090 + (2x) LV432492**	*4,092.90*
		4P	**LV432816 + LV432093 + (2x) LV432493**	*6,768.30*

Electronic trip unit Micrologic 1.3-M (I motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400S 1.3-M	320 A	**3P**	**LV432414 + LV432069 + (2x) LV432490**	*2,595.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630S 1.3-M	500 A	**3P**	**LV432814 + LV432068 + (2x) LV432492**	*3,462.90*

Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



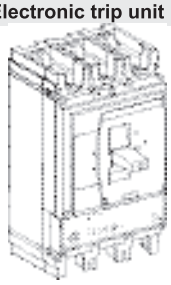
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400S 2.3-M	320 A	**3P** 3d	**LV432414 + LV432072 + (2x) LV432490**	*2,784.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630S 2.3-M	500 A	**3P** 3d	**LV432814 + LV432071 + (2x) LV432492**	*3,651.90*

NSX400/630L:
complete fixed/FC device
Compact NSX400/630L (150 kA 380/415 V)

Unit price (excl.GST) in Singapore dollars S$

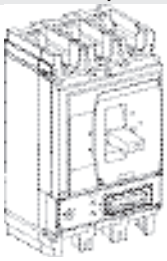
Compact NSX400/630L

Electronic trip unit Micrologic 2.3 (LS_oI protection)



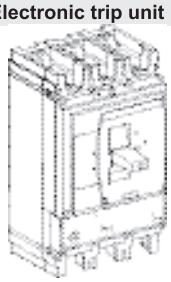
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400L	400 A	**3P**	**LV432405 + LV432081 + (2x) LV432490**	*2,684.20*
		4P	**LV432410 + LV432085 + (2x) LV432491**	*4,564.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630L	630 A	**3P**	**LV432805 + LV432080 + (2x) LV432492**	*3,706.00*
		4P	**LV432810 + LV432084 + (2x) LV432493**	*6,299.50*

Electronic trip unit Micrologic 5.3 A (LSI protection, ammeter)



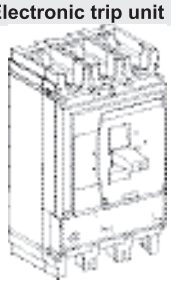
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400L	400 A	**3P**	**LV432405 + LV432091 + (2x) LV432490**	*3,611.20*
		4P	**LV432410 + LV432094 + (2x) LV432491**	*5,954.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630L	630 A	**3P**	**LV432805 + LV432090 + (2x) LV432492**	*4,633.00*
		4P	**LV432810 + LV432093 + (2x) LV432493**	*7,690.00*

Electronic trip unit Micrologic 1.3-M (I motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400L 1.3-M	320 A	**3P**	**LV432405 + LV432069 + (2x) LV432490**	*2,993.20*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630L 1.3-M	500 A	**3P**	**LV432805 + LV432068 + (2x) LV432492**	*4,015.00*

Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400L 2.3-M	320 A	**3P**	**LV432405 + LV432072 + (2x) LV432490**	*3,178.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630L 2.3-M	500 A	**3P**	**LV432805 + LV432071 + (2x) LV432492**	*4,200.00*

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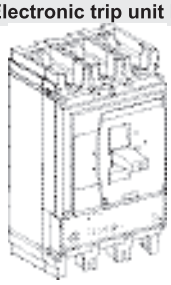
NSX400/630R:
complete fixed/FC device
Compact NSX400/630R (200kA 440V)

Unit price (excl.GST) in Singapore dollars S$

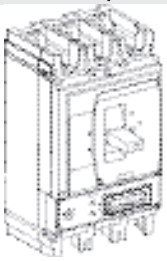
Compact NSX400/630R

Electronic trip unit Micrologic 2.3 (LS_oI protection)



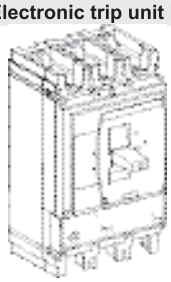
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400R	400 A	**3P**	**LV433602 + (2x) LV432490**	*2,918.00*
		4P	**LV433603 + (2x) LV432491**	*4,962.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630R	630 A	**3P**	**LV433700 + (2x) LV432492**	*4,099.00*
		4P	**LV433701 + (2x) LV432493**	*7,008.00*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



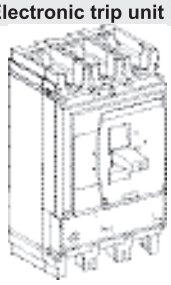
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400R	400 A	**3P**	**LV433606 + (2x) LV432490**	*4,918.00*
		4P	**LV433607 + (2x) LV432491**	*7,512.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630R	630 A	**3P**	**LV433704 + (2x) LV432492**	*6,099.00*
		4P	**LV433705 + (2x) LV432493**	*9,508.00*

Electronic trip unit Micrologic 1.3-M (I motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400R 1.3-M	320 A	**3P**	**LV433604 + (2x) LV432490**	*3,254.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630R 1.3-M	500 A	**3P**	**LV433702 + (2x) LV432492**	*4,365.00*

Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



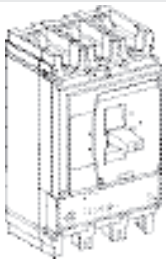
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400R 2.3-M	320 A	**3P**	**LV433605 + (2x) LV432490**	*3,456.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630R 2.3-M	500 A	**3P**	**LV433703 + (2x) LV432492**	*4,567.00*

NSX400/630HB1:
complete fixed/FC device
Compact NSX400/630HB1 (75 kA 690 V)

Unit price (excl.GST) in Singapore dollars S$

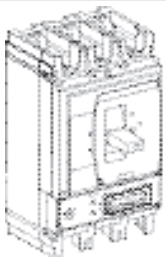
Compact NSX400/630HB1

Electronic trip unit Micrologic 2.3 (LS_OI protection)



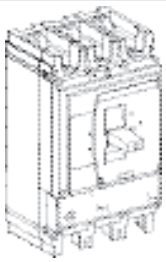
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB1	400 A	**3P**	**LV433622 + (2x) LV432490**	*3,117.00*
		4P	**LV433623 + (2x) LV432491**	*5,393.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX63HB1	630 A	**3P**	**LV433720 + (2x) LV432492**	*4,342.00*
		4P	**LV433721 + (2x) LV432493**	*7,717.00*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



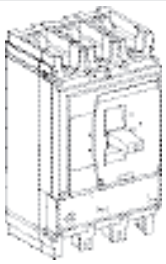
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB1	400 A	**3P**	**LV433626 + (2x) LV432490**	*5,117.00*
		4P	**LV433627 + (2x) LV432491**	*7,943.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB1	630 A	**3P**	**LV433724 + (2x) LV432492**	*6,342.00*
		4P	**LV433725 + (2x) LV432493**	*10,267.00*

Electronic trip unit Micrologic 1.3-M (I motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB1 1.3-M	320 A	**3P**	**LV433624 + (2x) LV432490**	*3,562.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB1 1.3-M	500 A	**3P**	**LV433722 + (2x) LV432492**	*4,687.00*

Electronic trip unit Micrologic 2.3-M (LS_OI motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB1 2.3-M	320 A	**3P**	**LV433625 + (2x) LV432490**	*3,775.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB1 2.3-M	500 A	**3P**	**LV433723 + (2x) LV432492**	*5,035.00*

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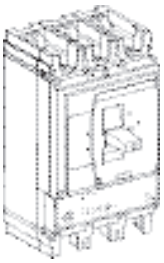
NSX400/630HB2:
complete fixed/FC device
Compact NSX400/630HB2 (100 kA 690 V)

Unit price (excl.GST) in Singapore dollars S$

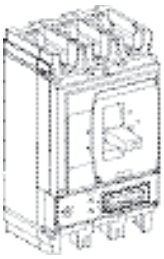
Compact NSX400/630HB2

Electronic trip unit Micrologic 2.3 (LS_oI protection)



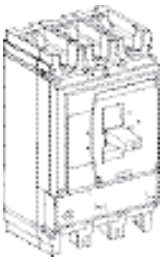
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB2	400 A	**3P**	**LV433642 + (2x) LV432490**	*3,828.60*
		4P	**LV433643 + (2x) LV432491**	*6,636.30*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB2	630 A	**3P**	**LV433740 + (2x) LV432492**	*5,325.10*
		4P	**LV433741 + (2x) LV432493**	*9,478.10*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



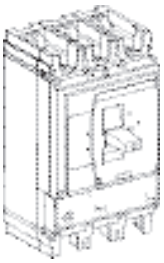
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB2	400 A	**3P**	**LV433646 + (2x) LV432490**	*5,888.60*
		4P	**LV433647 + (2x) LV432491**	*9,262.80*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB2	630 A	**3P**	**LV433744 + (2x) LV432492**	*7,385.10*
		4P	**LV433745 + (2x) LV432493**	*12,104.60*

Electronic trip unit Micrologic 1.3-M (I motor protection)



Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB2 1.3-M	320 A	**3P**	**LV433644 + (2x) LV432490**	*4,378.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB2 1.3-M	500 A	**3P**	**LV433742 + (2x) LV432492**	*5,751.60*

Electronic trip unit Micrologic 2.3-M (LS_oI motor protection)



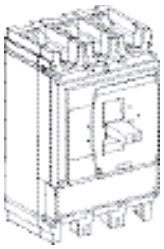
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders				Price (S$)
Compact NSX400HB2 2.3-M	320 A	**3P**	**LV433645 + (2x) LV432490**	*4,622.70*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630HB2 2.3-M	500 A	**3P**	**LV433743 + (2x) LV432492**	*6,182.10*

NSX400/630NA:
complete fixed/FC device
Compact NSX400/630NA

Unit price (excl.GST) in Singapore dollars S$

Compact NSX400/630 0.3 NA switch-disconnector

With 0.3 NA switch-disconnector unit



	3P		4P	
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders		**Price (S$)**		**Price (S$)**
Compact NSX400 0.3 NA	**LV432756SPDR**	*1,195.00*	**LV432757SPDR**	*1,911.60*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders				
Compact NSX630 0.3 NA	**LV432956SPDR**	*1,762.80*	**LV432957SPDR**	*2,997.30*

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Trip unit accessories, installation and connection

Compact and Vigicompact NSX400/630

Unit price (excl.GST) in Singapore dollars S$

Trip unit accessories

External neutral CT for 3 pole breaker with Micrologic 5/6

		Price (S$)
400-630 A	**LV432575**	*619.30*

24 V DC wiring accessory for Micrologic 5/6

24 V DC power supply connector	**LV434210**	*363.00*

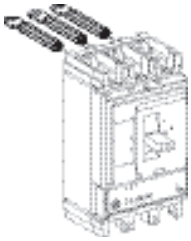
ZSI accessory for NS630b-NW with NSX

ZSI module	**LV434212**	*609.40*

Fixed/RC device = fixed/FC device + rear connection kit

Mixed RC kit(EZC)

DB111465



		Required Qty		Unit Price (S$)
Kit 3P	Short RCs	2 x	**LV432475**	*131.30*
	Long RCs	1 x	**LV432476**	*215.30*
Kit 4P	Short RCs	2 x	**LV432475**	*131.30*
	Long RCs	2 x	**LV432476**	*215.30*

Fixed/FC device with 52.5 mm or 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders

The pitch of all Compact and Vigicompact NSX400/630 devices is 45 mm. Spreaders are available for fixed front, plug-in or withdrawable connection with pitch of 52.5 mm or 70 mm.

Upstream or downstream spreaders(EZC)

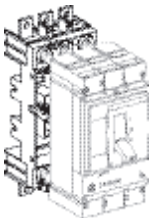
DB111466

			Price (S$)
52.5 mm	3P	**LV432490**	*62.40*
	4P	**LV432491**	*75.50*
70 mm	3P	**LV432492**	*106.10*
	4P	**LV432493**	*151.90*

Plug-in version = fixed/FC device + plug-in kit

Kit for Compact

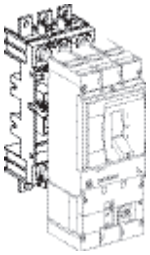
DB111467



	3P	Price (S$)	4P	Price (S$)
Plug-in kit for Compact	**LV432538**	*914.00*	**LV432539**	*955.80*
Comprising:				
Base	= 1 x LV432516		= 1 x LV432517	
Power connections	+ 3 x LV432518		+ 4 x LV432518	
Short terminal shields	+ 2 x LV432591		+ 2 x LV432592	
Safety trip interlock	+ 1 x LV432520		+ 1 x LV432520	

Kit for Vigicompact

DB111469



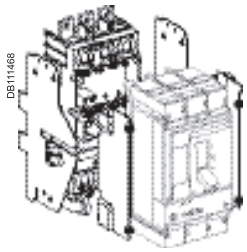
	3P	Price (S$)	4P	Price (S$)
Plug-in kit for Vigicompact	**LV432540**	*1,275.00*	**LV432541**	*1,437.20*
Comprising:				
Base	= 1 x LV432516		= 1 x LV432517	
Power connections	+ 3 x LV432519		+ 4 x LV432519	
Short terminal shields	+ 2 x LV432591		+ 2 x LV432592	
Safety trip interlock	+ 1 x LV432520		+ 1 x LV432520	

Installation and connection (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

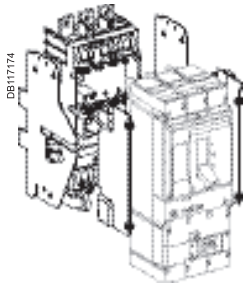
Withdrawable version = fixed/FC device + withdrawable kit

Kit for Compact



	3P	Price (S$)	4P	Price (S$)
Withdrawable kit for Compact		*1,427.20*		*1,469.00*
Comprising:	=		=	
Plug-in kit	1 x **LV432538**		1 x **LV432539**	
+	+		+	
Chassis side plates for base	1 x **LV432532**		1 x **LV432532**	
+	+		+	
Chassis side plates for breaker	1 x **LV432533**		1 x **LV432533**	

Kit for Vigicompact



	3P	Price (S$)	4P	Price (S$)
Withdrawable kit for Vigicompact		*1,788.20*		*1,950.40*
Comprising:	=		=	
Plug-in kit	1 x **LV432540**		1 x **LV432541**	
+	+		+	
Chassis side plates for base	1 x **LV432532**		1 x **LV432532**	
+	+		+	
Chassis side plates for breaker	1 x **LV432533**		1 x **LV432533**	

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Accessories
Compact and Vigicompact NSX400/630

Unit price (excl.GST) in Singapore dollars S$

Connection accessories (Cu or Al)

Rear connections(EZC)

				Price (S$)
DB111471	Set of 2 short		**LV432475**	*131.30*
	Set of 2 long		**LV432476**	*215.30*

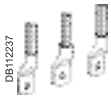
Bare cable connectors (1)(EZC)

					Price (S$)
DB115624	Aluminium connectors	1 x (35 to 300 mm²)	Set of 3	**LV432479**	*150.90*
			Set of 4	**LV432480**	*202.30*
DB115625	Aluminium connectors for 2 cables	2 x (35 to 240 mm²)	Set of 3	**LV432481**	*316.80*
			Set of 4	**LV432482**	*421.60*
DB112724	6.35 mm voltage tap for steel or aluminium connectors		Set of 10	**LV429348**	*41.80*

Terminal extensions *(1)*

				Price (S$)
DB115649	45° terminal extensions	Set of 3	**LV432586**	*271.80*
		Set of 4	**LV432587**	*361.70*
DB115650	Edgewise terminal extensions (EZC)	Set of 3	**LV432486**	*271.80*
		Set of 4	**LV432487**	*361.70*
DB115651	Right-angle terminal extensions (EZC)	Set of 3	**LV432484**	*148.80*
		Set of 4	**LV432485**	*202.30*

Crimp lugs for copper cable (1)

				Price (S$)
 DB112237	For cable 240 mm²	Set of 3	**LV432500**	*100.00*
		Set of 4	**LV432501**	*199.00*
	For cable 300 mm²	Set of 3	**LV432502**	*174.80*
		Set of 4	**LV432503**	*228.30*

Crimp lugs for aluminium cable (1)

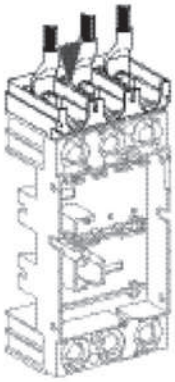
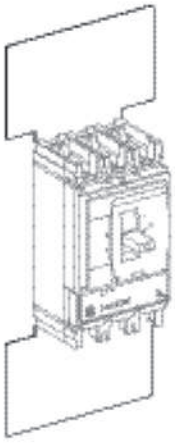
				Price (S$)
DB112238	For cable 240 mm²	Set of 3	**LV432504**	*299.00*
		Set of 4	**LV432505**	*379.80*
	For cable 300 mm²	Set of 3	**LV432506**	*488.90*
		Set of 4	**LV432507**	*649.50*

(1) *Supplied with 2 or 3 interphase barriers.*

Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

B

Insulation accessories				Price (S$)
	Short terminal shield, 45 mm (1 piece)	3P	**LV432591**	*26.00*
		4P	**LV432592**	*35.70*
DB111473	Long terminal shield, 45 mm (1 piece)	3P	**LV432593**	*49.40*
		4P	**LV432594**	*69.30*
DB115626	Long terminal shield for spreaders, 52.5 mm (1 piece) (supplied with insulating plate)	3P	**LV432595**	*64.10*
		4P	**LV432596**	*73.50*
DB115632	Interphase barriers	Set of 6	**LV432570**	*34.70*
 DB115627	Connection adapter for plug-in base	3P	**LV432584**	*49.10*
		4P	**LV432585**	*62.20*
 DB115628	2 insulating screens (70 mm pitch)	3P	**LV432578**	*63.00*
		4P	**LV432579**	*100.80*

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Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Electrical auxiliaries

Auxiliary contacts (changeover)

		Price (S$)
OF or SD or SDE or SDV	**29450**	*65.30*
OF or SD or SDE or SDV low level	**29452**	*104.10*
SDE adapter, mandatory for trip unit TM, MA or Micrologic 2	**LV540050**	*25.00*

SDx output module for Micrologic electronic trip unit

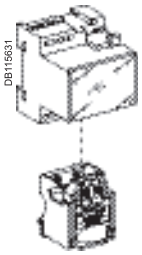
		Price (S$)
SDx module 24/415 V AC/DC	**LV429532**	*402.40*

SDTAM contactor tripping module (early-break thermal fault signal) for Micrologic 2.3-M/6.3 E-M

		Price (S$)
SDTAM 24/415 V AC/DC overload fault indication	**LV429424**	*451.60*

Voltage releases

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	**LV429384**	*146.70*	**LV429404**	*204.90*
	48 V 50/60 Hz	**LV429385**	*146.70*	**LV429405**	*204.90*
	110-130 V 50/60 Hz	**LV429386**	*146.70*	**LV429406**	*204.90*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV429387**	*146.70*	**LV429407**	*204.90*
	380-415 V 50 Hz and 440-480 V 60 Hz	**LV429388**	*146.70*	**LV429408**	*204.90*
	525 V 50 Hz and 600 V 60 Hz	**LV429389**	*146.70*	**LV429409**	*204.90*
DC	12 V	**LV429382**	*146.70*	**LV429402**	*204.90*
	24 V	**LV429390**	*146.70*	**LV429410**	*204.90*
	30 V	**LV429391**	*146.70*	**LV429411**	*204.90*
	48 V	**LV429392**	*146.70*	**LV429412**	*204.90*
	60 V	**LV429383**	*146.70*	**LV429403**	*204.90*
	125 V	**LV429393**	*146.70*	**LV429413**	*204.90*
	250 V	**LV429394**	*146.70*	**LV429414**	*204.90*



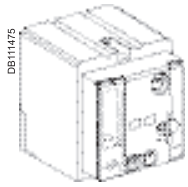
			Price (S$)
MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**LV429426**	*307.90*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-240 V 50/60 Hz	**LV429427**	*284.00*
MN 48 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**33680**	*536.70*
MN110-130 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 125 V DC	**LV429413**	*204.90*
	Delay unit 110-130 V 50/60 Hz	**33681**	*536.70*
MN 220-250 V 50/60 Hz with adjustable time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-250 V 50/60 Hz	**33682**	*536.70*

Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

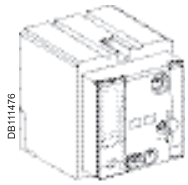
Motor mechanism

Motor mechanism module (Factory assembled only. Order separately is strictly prohibited).



	Voltage	MT400-630	Price (S$)
AC	48-60 V 50/60 Hz	**LV432639**	*1,592.20*
	110-130 V 50/60 Hz	**LV432640**	*1,592.20*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV432641**	*1,592.20*
	380-415 V 50 Hz	**LV432642**	*1,592.20*
	440-480 V 60 Hz	**LV432647**	*1,740.60*
DC	24-30 V	**LV432643**	*1,740.60*
	48-60 V	**LV432644**	*1,740.60*
	110-130 V	**LV432645**	*1,740.60*
	250 V	**LV432646**	*1,740.60*
Operation counter		**LV432648**	*363.00*

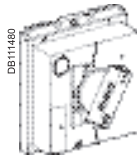
Communicating motor mechanism module



			Price (S$)
Motor mechanism module	MTc 400/630	220-240 V 50/60 Hz	**LV432652**	*2,838.00*
+				
Breaker and Status Communication Module	BSCM		**LV434205**	*479.40*
+				
NSX cord	Wire length L = 0.35 m		**LV434200**	*168.00*
	Wire length L = 1.3 m		**LV434201**	*196.90*
	Wire length L = 3 m		**LV434202**	*205.50*
	U > 480 V AC wire length L = 0.35 m		**LV434204**	*1,807.30*

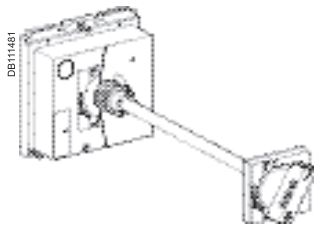
Rotary handles

Direct rotary handle



	MT400-630	Price (S$)
With black handle	**LV432597**	*142.80*
With red handle on yellow front	**LV432599**	*164.60*
MCC conversion accessory	**LV432606**	*131.90*
CNOMO conversion accessory	**LV432602**	*276.90*

Extended rotary handle



	MT400-630	Price (S$)
With black handle	**LV432598**	*220.20*
With red handle on yellow front	**LV432600**	*236.60*
With telescopic handle for withdrawable device	**LV432603**	*409.90*

Accessories for direct or extended rotary handle

		MT400-630	Price (S$)
Indication auxiliary	1 early-break contact	**LV432605**	*207.90*
	2 early-make contacts	**LV429346**	*155.10*

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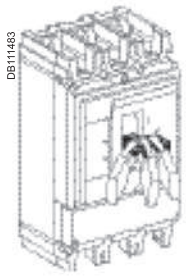
Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

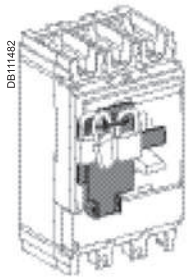
Unit price (excl.GST) in Singapore dollars S$

Locks

Toggle locking device for 1 to 3 padlocks

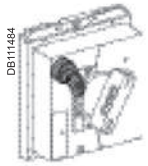


			Price (S$)
By removable device	**29370**	*22.00*



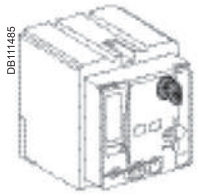
			Price (S$)
By fixed device	**LV432631**	*77.00*

Locking of rotary handle



			Price (S$)
Keylock adapter (keylock not included)		**LV432604**	*51.70*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*

Locking of motor mechanism module



			Price (S$)
Keylock adapter (keylock not included)		**LV432649**	*51.70*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*

+ Vigi module

+ Vigi module

		3P	Price (S$)	4P	Price (S$)
Type MB	200 to 440 V	**LV432455**	*1,580.30*	**LV432456**	*1,704.20*
	440 to 550 V	**LV432453**	*1,580.30*	**LV432454**	*1,704.20*
Connection for a 4P Vigi on a 3P breaker				**LV432457**	*244.70*

Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

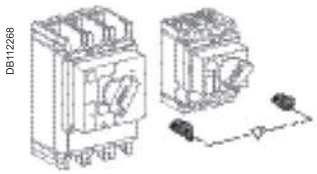
Unit price (excl.GST) in Singapore dollars S$

Interlocking

Mechanical interlocking for circuit breakers

		Price (S$)
With toggles	**LV432614**	*476.30*
With rotary handles	**LV432621**	*469.70*

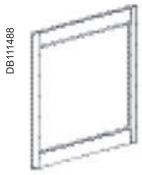
Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included)	For only 1 device.	**LV432604**	*51.70*
1 set of 2 keylocks	Ronis 1351B.500	**41950**	*276.10*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	**42878**	*724.90*

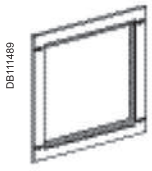
Installation accessories

Front-panel escutcheons



IP30

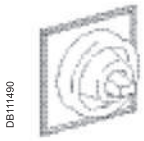
		Price (S$)
IP30 escutcheon for all control types	**LV432557**	*159.50*
IP30 trip unit access escutcheon for toggle	**LV432559**	*308.00*
IP30 escutcheon for Vigi module	**LV429527**	*110.00*



IP40

		Price (S$)
IP40 escutcheon for all control types	**LV432558**	*77.00*
IP40 escutcheon for Vigi module	**LV429316**	*22.00*
IP40 escutcheon for Vigi or ammeter module	**LV429318**	*97.90*

IP43 rubber toggle cover



		Price (S$)
1 toggle cover	**LV432560**	*181.50*

Lead-sealing accessories

		Price (S$)
Bag of accessories	**LV429375**	*36.30*

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Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Plug-in/withdrawable version accessories

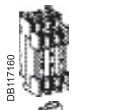
Insulation accessories

DB117159

			Price (S$)
Connection adapter for plug-in base	3P	**LV432584**	*49.10*
	4P	**LV432585**	*62.20*

Auxiliary connections

		Price (S$)
1 9-wire fixed connector (for base)	**LV429273**	*71.30*
1 9-wire moving connector (for circuit breaker)	**LV432523**	*57.30*
1 support for 3 moving connectors	**LV432525**	*28.60*
9-wire manual auxiliary connector (fixed + moving)	**LV429272**	*161.70*


DB117160

DB117161

DB116386

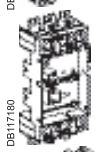
DB115885

Plug-in base accessories

			Price (S$)
Long insulated right angle terminal extensions	Set of 2	**LV432526**	*271.70*
2 IP40 shutters for base		**LV432521**	*62.70*
Base	3P	**LV432516**	*658.80*
Base	4P	**LV432517**	*608.10*
Power connections	Set of 2	**LV432518**	*75.60*
Short terminal shield	3P	**LV432591**	*26.00*
Short terminal shield	4P	**LV432592**	*35.70*
Safety trip interlock	3/4P	**LV432520**	*30.30*

DB117164

DB117165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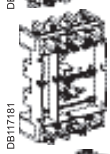
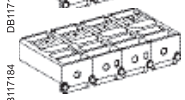

DB117181

DB117182

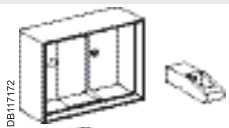
DB117183


DB117184

DB117171

Chassis accessories

			Price (S$)
Escutcheon collar	Toggle	**LV432534**	*61.60*
Escutcheon collar	Vigi module	**LV429285**	*42.20*
Locking kit (keylock not included)		**LV429286**	*137.20*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*
2 carriage switches (connected/disconnected position indication)		**LV429287**	*113.30*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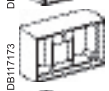

DB117173

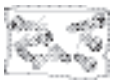
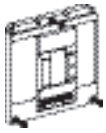
DB117163

DB111426

Accessories (cont.)
Compact and Vigicompact NSX400/630 (cont.)

Unit price (excl.GST) in Singapore dollars S$

Spare parts

				Price (S$)
DB115633	Additional toggle extension for NSX400/630		**32595**	*240.70*
DB111430	5 spare toggle extensions		**LV432553**	*77.00*
 DB115620	Bag of screws		**LV432552**	*24.50*
 DB111493	Compact NS retrofit escutcheon	Small cut-out	**LV432571**	*113.90*
	IP40 toggle escutcheon	Compact NS type/small cut-out	**32556**	*34.50*
DB111433	1 set of 10 identification labels		**LV429226**	*48.90*
DB111438	1 base for extended rotary handle		**LV432498**	*325.60*
DB111495	5 transparent covers for electronic trip unit	Micrologic 2	**LV432459**	*30.80*
DB111436		Micrologic 5/6	**LV432461**	*62.70*

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Monitoring and control, test tools
Compact and Vigicompact NSX100/630

Unit price (excl.GST) in Singapore dollars S$

Monitoring and control (remote operation)

Circuit breaker accessories

			Price (S$)
DB111439	Breaker Status Control Module BSCM	**LV434205**	*479.40*

ULP display module *(1)*

			Price (S$)
DB111440	Switchboard front display module FDM121	**TRV00121**	*639.10*
	FDM mounting accessory (diameter 22 mm)	**TRV00128**	*29.70*

ULP communication module

				Price (S$)
DB111441	Modbus interface	Modbus SL communication interface module	**TRV00210**	*430.20*

ULP wiring accessories

			Price (S$)
DB111442	NSX cord L = 0.35 m	**LV434200**	*168.00*
	NSX cord L = 1.3 m	**LV434201**	*196.90*
	NSX cord L = 3 m	**LV434202**	*205.50*
	NSX cord for U > 480 V AC L = 1.3 m	**LV434204**	*1,807.30*
DB115621	10 stacking connectors for communication interface modules	**TRV00217**	*430.20*
DB115622	RS 485 roll cable (4 wires, length 60 m)	**50965**	*1,766.00*
DB115623	5 RJ45 connectors female/female	**TRV00870**	*97.80*
DB111445	10 RJ45/RJ45 male cord L = 0.3 m	**TRV00803**	*112.40*
	10 RJ45/RJ45 male cord L = 0.6 m	**TRV00806**	*154.00*
	5 RJ45/RJ45 male cord L = 1 m	**TRV00810**	*102.00*
	5 RJ45/RJ45 male cord L = 2 m	**TRV00820**	*167.50*
	5 RJ45/RJ45 male cord L = 3 m	**TRV00830**	*204.90*
	1 RJ45/RJ45 male cord L = 5 m	**TRV00850**	*65.60*

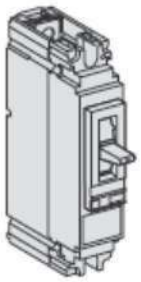
(1) For measurement display with Micrologic A and E or status display with BSCM. Consult our CustomerCare Centre for price.

NSX100/160/250 F/N/M/S
IP/2P (AC/DC), 3P/4P (DC)

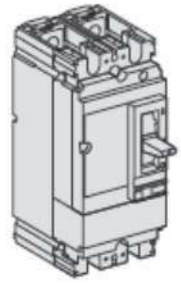
Unit price (excl.GST) in Singapore dollars S$

Compact NSX100/160 F/N/M 1P/2P

With thermal-magnetic trip unit TM-D



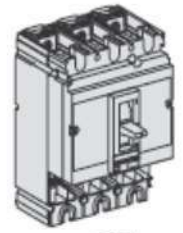
	Compact NSX100F AC/DC	Price (S$)	Compact NSX100F AC/DC	Price (S$)
Rating	**1P 1d (Icu = 36 kA 250 V DC)**		**2P 2d (Icu = 36 kA 250 V DC/1P - 500 V DC/2P)**	
TM16D	**LV438562**	*315.20*	**LV438592**	*402.50*
TM20D	**LV438563**	*315.20*	**LV438593**	*402.50*
TM25D	**LV438564**	*315.20*	**LV438594**	*402.50*
TM30D	**LV438565**	*315.20*	**LV438595**	*402.50*
TM40D	**LV438566**	*315.20*	**LV438596**	*402.50*
TM50D	**LV438567**	*315.20*	**LV438597**	*402.50*
TM63D	**LV438568**	*315.20*	**LV438598**	*402.50*
TM80D	**LV438569**	*315.20*	**LV438599**	*402.50*
TM100	**LV438570**	*315.20*	**LV438600**	*402.50*
	Compact NSX160F AC/DC	**Price (S$)**	**Compact NSX160F AC/DC**	**Price (S$)**
Rating	**1P 1d (Icu = 36 kA 250 V DC)**		**2P 2d (Icu = 36 kA 250 V DC/1P - 500 V DC/2P)**	
TM125	**LV438669**	*594.90*	**LV438699**	*633.40*
TM160	**LV438670**	*594.90*	**LV438700**	*633.40*



	Compact NSX100N AC/DC	Price (S$)	Compact NSX100M AC/DC	Price (S$)
Rating	**1P 1d (Icu = 50 kA 250 V DC)**		**2P 2d (Icu = 85 kA 250 V DC/1P - 500 V DC/2P)**	
TM16D	**LV438572**	*329.00*	**LV438602**	*454.50*
TM20D	**LV438573**	*329.00*	**LV438603**	*454.50*
TM25D	**LV438574**	*329.00*	**LV438604**	*454.50*
TM30D	**LV438575**	*329.00*	**LV438605**	*454.50*
TM40D	**LV438576**	*329.00*	**LV438606**	*454.50*
TM50D	**LV438577**	*329.00*	**LV438607**	*454.50*
TM63D	**LV438578**	*329.00*	**LV438608**	*454.50*
TM80D	**LV438579**	*329.00*	**LV438609**	*454.50*
TM100	**LV438580**	*329.00*	**LV438610**	*454.50*
	Compact NSX160N AC/DC	**Price (S$)**	**Compact NSX160M AC/DC**	**Price (S$)**
Rating	**1P 1d (Icu = 50 kA 250 V DC)**		**2P 2d (Icu = 85 kA 250 V DC/1P - 500 V DC/2P)**	
TM125	**LV438679**	*1,140.00*	**LV438709**	*1,328.10*
TM160	**LV438680**	*1,140.00*	**LV438710**	*1,328.10*
	Compact NSX100M AC/DC	**Price (S$)**	**Compact NSX100S AC/DC**	**Price (S$)**
Rating	**1P 1d (Icu = 85 kA 250 V DC)**		**2P 2d (Icu = 100 kA 250 V DC/1P - 500 V DC/2P)**	
TM16D	**LV438582**	*436.00*	**LV438612**	*559.60*
TM20D	**LV438583**	*436.00*	**LV438613**	*559.60*
TM25D	**LV438584**	*436.00*	**LV438614**	*559.60*
TM30D	**LV438585**	*436.00*	**LV438615**	*559.60*
TM40D	**LV438586**	*436.00*	**LV438616**	*559.60*
TM50D	**LV438587**	*436.00*	**LV438617**	*559.60*
TM63D	**LV438588**	*436.00*	**LV438618**	*559.60*
TM80D	**LV438589**	*436.00*	**LV438619**	*559.60*
TM100D	**LV438590**	*436.00*	**LV438620**	*559.60*
	Compact NSX160M AC/DC	**Price (S$)**	**Compact NSX160S AC/DC**	**Price (S$)**
Rating	**1P 1d (Icu = 85 kA 250 V DC)**		**2P 2d (Icu = 100 kA 250 V DC/1P - 500 V DC/2P)**	
TM125	**LV438689**	*1,198.10*	**LV438719**	*1,363.50*
TM160	**LV438690**	*1,198.10*	**LV438720**	*1,363.50*

Compact NSX100/160/250 DC 3P/4P

With thermal-magnetic trip unit TM-D



Rating	3P	Price (S$)	4P	Price (S$)
NSX100F DC c/w TM100DC	**LV438003 + LV438028**	*445.80*	**LV438008 + LV438048**	*646.70*
NSX160F DC c/w TM160DC	**LV438103 + LV438135**	*754.80*	**LV438108 + LV438145**	*1,094.50*
NSX250F DC c/w TM250DC	**LV438203 + LV438245**	*1,440.30*	**LV438208 + LV438255**	*2,087.00*
NSX100S DC c/w TM100DC	**LV438018 + LV438028**	*530.40*	**LV438019 + LV438048**	*768.10*
NSX160S DC c/w TM160DC	**LV438118 + LV438135**	*1,152.60*	**LV438119 + LV438145**	*1,655.50*
NSX250S DC c/w TM250DC	**LV438218 + LV438245**	*1,540.20*	**LV438219 + LV438255**	*2,234.90*

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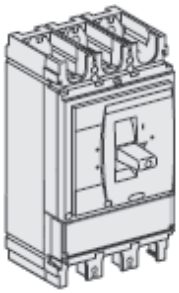
NSX400/630 F/S
3P/4P (DC)

Unit price (excl.GST) in Singapore dollars S$

Compact NSX400/630 DC with MP Trip Units



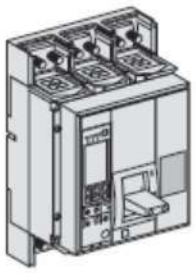
Trip unit MP1				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NSX400F DC (36kA)	**LV438403**	*1,957.30*	**LV438408**	*2,837.20*
NSX400S DC (100kA)	**LV438418**	*2,201.70*	**LV438419**	*3,192.80*
NSX630F DC (36kA)	**LV438503**	*3,215.70*	**LV438508**	*4,662.40*
NSX630S DC (100kA)	**LV438518**	*3,494.40*	**LV438519**	*5,066.90*
Trip unit MP2				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NSX400S DC (100kA)	**LV438428**	*2,201.70*	**LV438429**	*3,192.80*
NSX630S DC (100kA)	**LV438528**	*3,494.40*	**LV438529**	*5,066.90*
Trip unit MP3				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NSX630S DC (100kA)	**LV438538**	*3,494.40*	**LV438539**	*5,066.90*

NS630b to NS1600
Fixed version, manually operated

Unit price (excl. GST) in Singapore Dollars

Front-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33460**	*2,852.80*	**33463**	*4,279.60*
NS800	**33466**	*2,888.00*	**33469**	*4,417.70*
NS1000	**33472**	*4,417.70*	**33475**	*6,627.00*
NS1250	**33478**	*6,037.40*	**33480**	*9,234.20*
NS1600	**33482**	*9,910.20*	**33484**	*14,864.80*

Compact NS type H (Icu = 70kA at 220/415V)

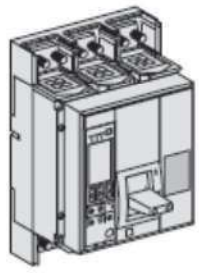
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33461**	*4,279.60*	**33464**	*6,542.40*
NS800	**33467**	*5,007.20*	**33470**	*7,657.60*
NS1000	**33473**	*6,627.00*	**33476**	*10,134.80*
NS1250	**33479**	*9,056.60*	**33481**	*14,313.60*
NS1600	**33483**	*14,864.80*	**33485**	*23,040.20*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33462**	*8,558.20*	**33465**	*12,837.80*
NS800	**33468**	*10,514.20*	**33471**	*16,081.60*
NS1000	**33474**	*14,188.80*	**33477**	*21,283.60*

Front-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33546**	*3,653.60*	**33549**	*5,080.40*
NS800	**33552**	*3,804.40*	**33555**	*5,305.10*
NS1000	**33558**	*5,305.10*	**33561**	*7,557.70*
NS1250	**33564**	*6,956.60*	**33566**	*10,035.00*
NS1600	**33568**	*10,711.00*	**33570**	*15,665.60*

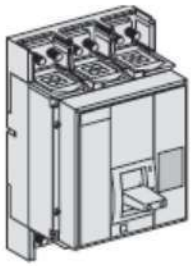
Compact NS type H (Icu = 70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33547**	*5,080.40*	**33550**	*7,219.70*
NS800	**33553**	*5,906.20*	**33556**	*8,458.40*
NS1000	**33559**	*7,557.70*	**33562**	*10,935.60*
NS1250	**33565**	*10,035.00*	**33567**	*15,114.40*
NS1600	**33569**	*15,665.60*	**33571**	*23,841.00*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33548**	*9,359.00*	**33551**	*13,638.60*
NS800	**33554**	*11,521.20*	**33557**	*16,882.40*
NS1000	**33560**	*14,989.60*	**33563**	*22,084.40*

Front-connected switch-disconnector



Compact NS type NA

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33486**	*2,020.80*	**33491**	*3,447.60*
NS800	**33487**	*2,171.60*	**33492**	*3,672.30*
NS1000	**33488**	*3,672.30*	**33493**	*5,924.90*
NS1250	**33489**	*5,323.80*	**33494**	*8,402.20*
NS1600	**33490**	*9,078.20*	**33495**	*14,032.80*

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

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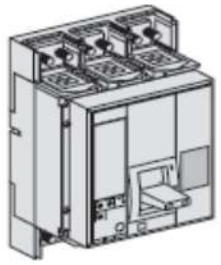
NS630b to NS1600

Fixed version, manually operated (cont.)

Unit price (excl. GST) in Singapore Dollars

Front-connected circuit breaker with Micrologic 2.0A control unit

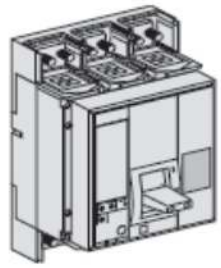
Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33223**	*3,549.60*	**33227**	*4,976.40*
NS800	**33233**	*3,628.20*	**33237**	*5,201.10*
NS1000	**33243**	*5,201.10*	**33247**	*7,453.70*
NS1250	**33253**	*6,852.60*	**33257**	*9,931.00*
NS1600	**33263**	*10,607.00*	**33267**	*15,561.60*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33228**	*4,976.40*	**33229**	*7,115.70*
NS800	**33238**	*5,802.20*	**33239**	*8,354.40*
NS1000	**33248**	*7,453.70*	**33249**	*10,831.60*
NS1250	**33258**	*9,931.00*	**33259**	*15,010.40*
NS1600	**33268**	*15,561.60*	**33269**	*23,737.00*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33497**	*9,255.00*	**33500**	*13,534.60*
NS800	**33498**	*11,417.20*	**33501**	*16,778.40*
NS1000	**33499**	*14,885.60*	**33502**	*21,980.40*

Front-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33323**	*4,350.40*	**33327**	*5,777.20*
NS800	**33333**	*4,500.10*	**33337**	*6,001.90*
NS1000	**33343**	*6,001.90*	**33347**	*8,254.50*
NS1250	**33353**	*7,653.40*	**33357**	*10,731.80*
NS1600	**33363**	*11,407.80*	**33367**	*16,362.40*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33328**	*5,777.20*	**33329**	*7,916.50*
NS800	**33338**	*6,603.00*	**33339**	*9,155.20*
NS1000	**33348**	*8,254.50*	**33349**	*11,632.40*
NS1250	**33358**	*10,731.80*	**33359**	*15,811.20*
NS1600	**33368**	*16,362.40*	**33369**	*24,537.80*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33516**	*10,055.80*	**33519**	*14,335.40*
NS800	**33517**	*12,218.00*	**33520**	*17,579.20*
NS1000	**33518**	*15,686.40*	**33521**	*22,781.20*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		
"ammeter" A		Price (S$)
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
Micrologic 7.0 A	selective + earth-leakage protection	*2,252.20*
"power meter" P		
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.70*
Micrologic 7.0 P	selective + earth-leakage protection	*5,743.70*

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

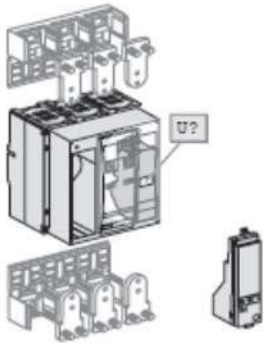
NS630b to NS1600
Fixed version, electrically operated

Unit price (excl. GST) in Singapore Dollars

B

Front-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33460E**	*5,657.80*	**33463E**	*7,071.00*
NS800	**33466E**	*5,806.20*	**33469E**	*7,293.50*
NS1000	**33472E**	*7,364.50*	**33475E**	*9,630.50*
NS1250	**33478E**	*8,639.70*	**33480E**	*11,543.30*
NS1600	**33482E**	*11,953.20*	**33484E**	*16,514.00*

Compact NS type H (Icu = 70kA at 220/415V)

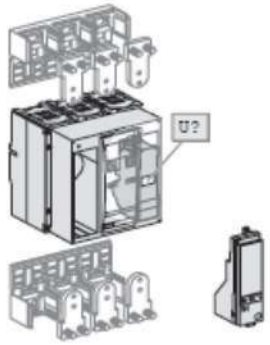
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33461E**	*6,741.40*	**33464E**	*8,696.30*
NS800	**33467E**	*7,081.30*	**33470E**	*9,206.20*
NS1000	**33473E**	*9,630.50*	**33476E**	*13,029.50*
NS1250	**33479E**	*11,543.30*	**33481E**	*15,898.10*
NS1600	**33483E**	*16,514.00*	**33485E**	*23,354.30*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33462E**	*10,650.20*	**33465E**	*14,559.10*
NS800	**33468E**	*11,330.00*	**33471E**	*15,578.80*
NS1000	**33474E**	*16,428.50*	**33477E**	*23,226.50*

Front-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33546E**	*6,450.90*	**33549E**	*7,864.10*
NS800	**33552E**	*6,599.30*	**33555E**	*7,874.40*
NS1000	**33558E**	*8,157.60*	**33561E**	*10,423.60*
NS1250	**33564E**	*9,432.80*	**33566E**	*12,336.40*
NS1600	**33568E**	*12,746.30*	**33570E**	*17,307.10*

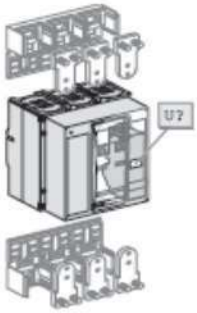
Compact NS type H (Icu = 70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33547E**	*7,534.50*	**33550E**	*9,489.40*
NS800	**33553E**	*7,874.40*	**33556E**	*9,999.30*
NS1000	**33559E**	*10,423.60*	**33562E**	*13,822.60*
NS1250	**33565E**	*12,336.40*	**33567E**	*16,691.20*
NS1600	**33569E**	*17,307.10*	**33571E**	*24,147.40*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33548E**	*11,443.30*	**33551E**	*15,352.20*
NS800	**33554E**	*12,123.10*	**33557E**	*16,371.90*
NS1000	**33560E**	*17,221.60*	**33563E**	*24,019.60*

Front-connected switch-disconnector



Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33486E**	*4,786.90*	**33491E**	*6,186.30*
NS800	**33487E**	*4,933.70*	**33492E**	*6,406.60*
NS1000	**33488E**	*5,946.60*	**33493E**	*7,517.40*
NS1250	**33489E**	*6,829.90*	**33494E**	*8,842.40*
NS1600	**33490E**	*9,128.00*	**33495E**	*12,289.00*

Note: The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module *(Order separately is prohibited)*

AC 50/60 Hz			DC		
	Standard	**Communicating**		**Standard**	**Communicating**
48 V	**33691**	**33698**	24-30 V	**33690**	**33697**
100-130 V	**33687**	**33694**	48-60 V	**33691**	**33698**
220-240 V	**33688**	**33695**	100-130 V	**33692**	**33699**
380-415 V	**33689**	**33696**	200-250 V	**33693**	**33700**

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

Life Is On Schneider Electric

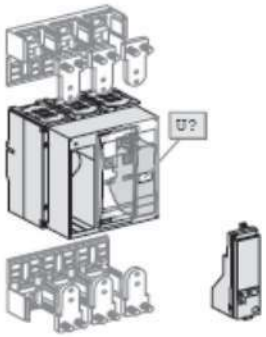
NS630b to NS1600

Fixed version, electrically operated (cont.)

Unit price (excl. GST) in Singapore Dollars

Front-connected circuit breaker with Micrologic 2.0A control unit

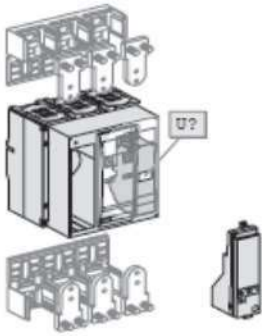
Complete device included:
Basic motorised operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33223E**	*6,347.90*	**33227E**	*7,761.10*
NS800	**33233E**	*6,496.30*	**33237E**	*7,983.60*
NS1000	**33243E**	*8,054.60*	**33247E**	*10,320.60*
NS1250	**33253E**	*9,329.80*	**33257E**	*12,233.40*
NS1600	**33263E**	*12,643.30*	**33267E**	*17,204.10*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33228E**	*7,431.50*	**33229E**	*9,386.40*
NS800	**33238E**	*7,771.40*	**33239E**	*9,896.30*
NS1000	**33248E**	*10,320.60*	**33249E**	*13,719.60*
NS1250	**33258E**	*12,233.40*	**33259E**	*16,588.20*
NS1600	**33268E**	*17,204.10*	**33269E**	*24,044.40*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33497E**	*11,340.30*	**33500E**	*15,249.20*
NS800	**33498E**	*12,020.10*	**33501E**	*16,268.90*
NS1000	**33499E**	*17,118.60*	**33502E**	*23,916.60*

Front-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic motorised operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33323E**	*7,141.00*	**33327E**	*8,554.20*
NS800	**33333E**	*7,289.40*	**33337E**	*8,776.70*
NS1000	**33343E**	*8,847.70*	**33347E**	*11,113.70*
NS1250	**33353E**	*10,122.90*	**33357E**	*13,025.40*
NS1600	**33363E**	*13,436.40*	**33367E**	*17,997.20*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33328E**	*8,224.60*	**33329E**	*10,179.50*
NS800	**33338E**	*8,564.50*	**33339E**	*10,689.40*
NS1000	**33348E**	*11,113.70*	**33349E**	*14,512.70*
NS1250	**33358E**	*13,025.40*	**33359E**	*17,380.30*
NS1600	**33368E**	*17,997.20*	**33369E**	*24,837.50*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33516E**	*12,133.40*	**33519E**	*16,042.30*
NS800	**33517E**	*12,813.20*	**33520E**	*17,062.00*
NS1000	**33518E**	*17,911.70*	**33521E**	*24,709.70*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		
"ammeter" A		**Price (S$)**
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
Micrologic 7.0 A	selective + earth-leakage protection	*2,252.20*
"power meter" P		
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.70*
Micrologic 7.0 P	selective + earth-leakage protection	*5,743.70*

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			DC		
	Standard	Communicating		Standard	Communicating
48 V	**33691**	**33698**	24-30 V	**33690**	**33697**
100-130 V	**33687**	**33694**	48-60 V	**33691**	**33698**
220-240 V	**33688**	**33695**	100-130 V	**33692**	**33699**
380-415 V	**33689**	**33696**	200-250 V	**33693**	**33700**

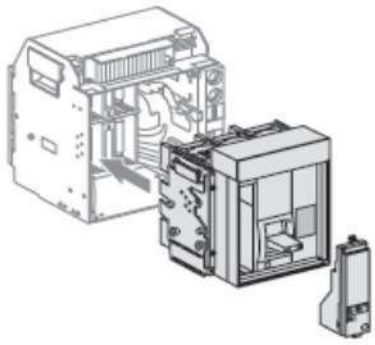
Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

NS630b to NS1600
Withdrawable version, manually operated

Unit price (excl. GST) in Singapore Dollars

Rear-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33460W**	*5,379.70*	**33463W**	*6,792.90*
NS800	**33466W**	*5,528.10*	**33469W**	*7,015.40*
NS1000	**33472W**	*7,015.40*	**33475W**	*9,246.40*
NS1250	**33478W**	*8,651.00*	**33480W**	*11,265.20*
NS1600	**33482W**	*11,675.10*	**33484W**	*16,235.90*

Compact NS type H (Icu = 70kA at 220/415V)

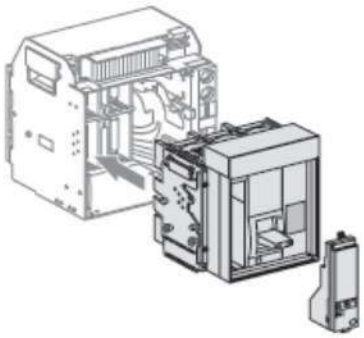
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33461W**	*6,792.90*	**33464W**	*8,911.60*
NS800	**33467W**	*7,610.70*	**33470W**	*10,138.30*
NS1000	**33473W**	*9,352.40*	**33476W**	*12,751.40*
NS1250	**33479W**	*11,265.20*	**33481W**	*15,620.00*
NS1600	**33483W**	*16,235.90*	**33485W**	*23,076.20*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33462W**	*11,030.30*	**33465W**	*15,268.80*
NS800	**33468W**	*11,051.90*	**33471W**	*15,300.70*
NS1000	**33474W**	*16,150.40*	**33477W**	*22,948.40*

Rear-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33546W**	*6,172.80*	**33549W**	*7,586.00*
NS800	**33552W**	*6,321.20*	**33555W**	*7,808.50*
NS1000	**33558W**	*7,808.50*	**33561W**	*10,039.50*
NS1250	**33564W**	*9,444.10*	**33566W**	*12,058.30*
NS1600	**33568W**	*12,468.20*	**33570W**	*17,029.00*

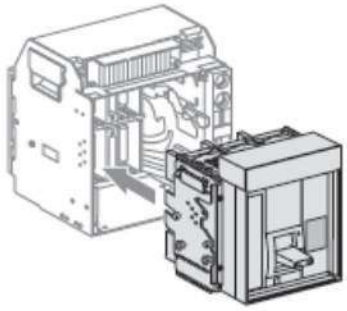
Compact NS type H (Icu = 70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33547W**	*7,586.00*	**33550W**	*9,704.70*
NS800	**33553W**	*8,403.80*	**33556W**	*10,931.40*
NS1000	**33559W**	*10,145.50*	**33562W**	*13,544.50*
NS1250	**33565W**	*12,058.30*	**33567W**	*16,413.10*
NS1600	**33569W**	*17,029.00*	**33571W**	*23,869.30*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33548W**	*11,165.20*	**33551W**	*15,074.10*
NS800	**33554W**	*11,845.00*	**33557W**	*16,093.80*
NS1000	**33560W**	*16,943.50*	**33563W**	*23,741.50*

Rear-connected switch-disconnector



Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33486W**	*4,555.70*	**33491W**	*5,968.90*
NS800	**33487W**	*4,704.10*	**33492W**	*6,191.40*
NS1000	**33488W**	*6,191.40*	**33493W**	*8,422.40*
NS1250	**33489W**	*6,618.80*	**33494W**	*8,651.00*
NS1600	**33490W**	*8,939.40*	**33495W**	*12,131.40*

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

Life Is On Schneider Electric

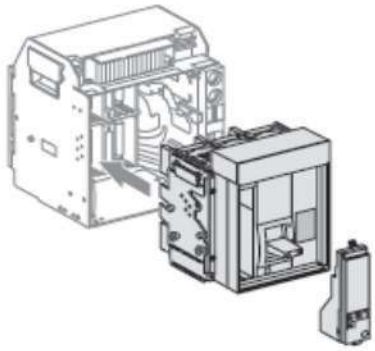
NS630b to NS1600

Withdrawable version, manually operated (cont.)

Unit price (excl. GST) in Singapore Dollars

Rear-connected circuit breaker with Micrologic 2.0A control unit

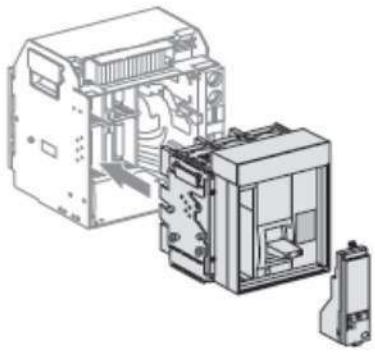
Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33223W**	*6,069.80*	**33227W**	*7,483.00*
NS800	**33233W**	*6,218.20*	**33237W**	*7,705.50*
NS1000	**33243W**	*7,705.50*	**33247W**	*9,936.50*
NS1250	**33253W**	*9,341.10*	**33257W**	*11,955.30*
NS1600	**33263W**	*12,365.20*	**33267W**	*16,926.00*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33228W**	*7,483.00*	**33229W**	*9,601.70*
NS800	**33238W**	*8,300.80*	**33239W**	*10,828.40*
NS1000	**33248W**	*10,042.50*	**33249W**	*13,441.50*
NS1250	**33258W**	*11,955.30*	**33259W**	*16,310.10*
NS1600	**33268W**	*16,926.00*	**33269W**	*23,766.30*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33497W**	*11,720.40*	**33500W**	*15,958.90*
NS800	**33498W**	*11,742.00*	**33501W**	*15,990.80*
NS1000	**33499W**	*16,840.50*	**33502W**	*23,638.50*

Rear-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit



Compact NS type N (Icu = 50kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33323W**	*6,862.90*	**33327W**	*8,276.10*
NS800	**33333W**	*7,011.30*	**33337W**	*8,498.60*
NS1000	**33343W**	*8,498.60*	**33347W**	*10,729.60*
NS1250	**33353W**	*9,844.80*	**33357W**	*12,747.30*
NS1600	**33363W**	*13,158.30*	**33367W**	*17,719.10*
Compact NS type H (Icu = 70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33328W**	*8,276.10*	**33329W**	*10,394.80*
NS800	**33338W**	*9,093.90*	**33339W**	*11,621.50*
NS1000	**33348W**	*10,835.60*	**33349W**	*14,234.60*
NS1250	**33358W**	*12,747.30*	**33359W**	*17,102.20*
NS1600	**33368W**	*17,719.10*	**33369W**	*24,559.40*
Compact NS type L (Icu = 150kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33516W**	*12,513.50*	**33519W**	*15,764.20*
NS800	**33517W**	*12,535.10*	**33520W**	*16,783.90*
NS1000	**33518W**	*17,633.60*	**33521W**	*24,431.60*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		
"ammeter" A		Price (S$)
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
Micrologic 7.0 A	selective + earth-leakage protection	*2,252.20*
"power meter" P		
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.70*
Micrologic 7.0 P	selective + earth-leakage protection	*5,743.70*

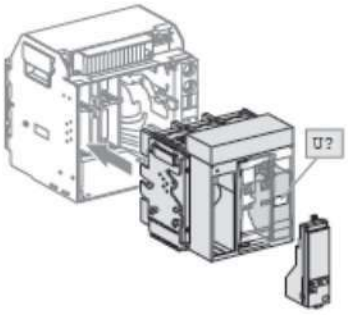
Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

NS630b to NS1600
Withdrawable version, electrically operated

Unit price (excl. GST) in Singapore Dollars

Rear-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33460EW**	*8,212.20*	**33463EW**	*9,625.40*
NS800	**33466EW**	*8,360.60*	**33469EW**	*9,847.90*
NS1000	**33472EW**	*9,847.90*	**33475EW**	*12,078.90*
NS1250	**33478EW**	*11,194.10*	**33480EW**	*14,097.70*
NS1600	**33482EW**	*14,507.60*	**33484EW**	*19,068.40*

Compact NS type H (Icu = 70kA at 220/415V)

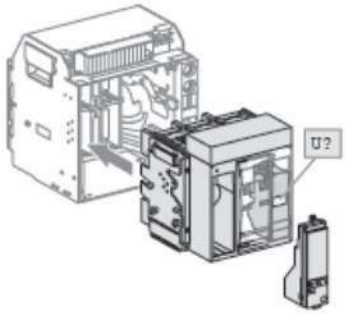
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33461EW**	*9,625.40*	**33464EW**	*11,744.10*
NS800	**33467EW**	*10,443.20*	**33470EW**	*12,970.80*
NS1000	**33473EW**	*12,184.90*	**33476EW**	*15,583.90*
NS1250	**33479EW**	*14,097.70*	**33481EW**	*18,452.50*
NS1600	**33483EW**	*19,068.40*	**33485EW**	*25,908.70*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33462EW**	*13,862.80*	**33465EW**	*18,101.30*
NS800	**33468EW**	*13,884.40*	**33471EW**	*18,133.20*
NS1000	**33474EW**	*18,982.90*	**33477EW**	*25,780.90*

Rear-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33546EW**	*9,005.30*	**33549EW**	*10,418.50*
NS800	**33552EW**	*9,153.70*	**33555EW**	*10,641.00*
NS1000	**33558EW**	*10,641.00*	**33561EW**	*12,872.00*
NS1250	**33564EW**	*11,987.20*	**33566EW**	*14,890.80*
NS1600	**33568EW**	*15,300.70*	**33570EW**	*19,861.50*

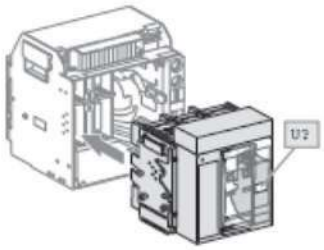
Compact NS type H (Icu = 70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33547EW**	*10,418.50*	**33550EW**	*12,537.20*
NS800	**33553EW**	*10,428.80*	**33556EW**	*12,553.70*
NS1000	**33559EW**	*12,978.00*	**33562EW**	*16,377.00*
NS1250	**33565EW**	*14,890.80*	**33567EW**	*19,245.60*
NS1600	**33569EW**	*19,861.50*	**33571EW**	*26,701.80*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33548EW**	*14,655.90*	**33551EW**	*18,894.40*
NS800	**33554EW**	*14,677.50*	**33557EW**	*18,926.30*
NS1000	**33560EW**	*19,776.00*	**33563EW**	*26,574.00*

Rear-connected switch-disconnector



Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33486EW**	*7,388.20*	**33491EW**	*8,801.40*
NS800	**33487EW**	*7,536.60*	**33492EW**	*9,023.90*
NS1000	**33488EW**	*9,023.90*	**33493EW**	*11,254.90*
NS1250	**33489EW**	*9,451.30*	**33494EW**	*11,483.50*
NS1600	**33490EW**	*11,771.90*	**33495EW**	*14,963.90*

Note: The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			DC		
	Standard	Communicating		Standard	Communicating
48 V	**33831**	**33838**	24-30 V	**33830**	**33837**
100-130 V	**33827**	**33834**	48-60 V	**33831**	**33838**
220-240 V	**33828**	**33835**	100-130 V	**33832**	**33839**
380-415 V	**33829**	**33836**	200-250 V	**33833**	**33840**

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

Life Is On Schneider Electric

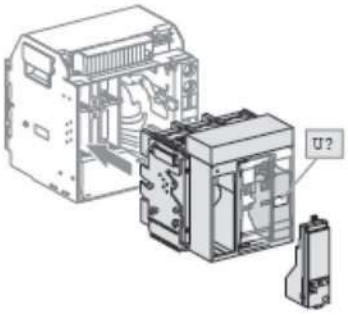
NS630b to NS1600

Withdrawable version, electrically operated (cont.)

Unit price (excl. GST) in Singapore Dollars

Rear-connected circuit breaker with Micrologic 2.0A control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33223EW**	*8,902.30*	**33227EW**	*10,315.50*
NS800	**33233EW**	*9,050.70*	**33237EW**	*10,538.00*
NS1000	**33243EW**	*10,538.00*	**33247EW**	*12,769.00*
NS1250	**33253EW**	*11,884.20*	**33257EW**	*14,787.80*
NS1600	**33263EW**	*15,197.70*	**33267EW**	*19,758.50*

Compact NS type H (Icu = 70kA at 220/415V)

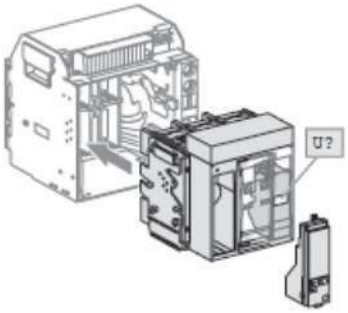
Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33228EW**	*10,315.50*	**33229EW**	*12,434.20*
NS800	**33238EW**	*11,133.30*	**33239EW**	*13,660.90*
NS1000	**33248EW**	*12,875.00*	**33249EW**	*16,274.00*
NS1250	**33258EW**	*14,787.80*	**33259EW**	*19,142.60*
NS1600	**33268EW**	*19,758.50*	**33269EW**	*26,598.80*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33497EW**	*14,552.90*	**33500EW**	*18,791.40*
NS800	**33498EW**	*14,574.50*	**33501EW**	*18,823.30*
NS1000	**33499EW**	*19,673.00*	**33502EW**	*26,471.00*

Rear-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



Compact NS type N (Icu = 50kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33323EW**	*9,695.40*	**33327EW**	*11,108.60*
NS800	**33333EW**	*9,843.80*	**33337EW**	*11,331.10*
NS1000	**33343EW**	*11,331.10*	**33347EW**	*13,562.10*
NS1250	**33353EW**	*12,677.30*	**33357EW**	*15,579.80*
NS1600	**33363EW**	*15,990.80*	**33367EW**	*20,551.60*

Compact NS type H (Icu = 70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33328EW**	*11,108.60*	**33329EW**	*13,227.30*
NS800	**33338EW**	*11,118.90*	**33339EW**	*14,454.00*
NS1000	**33348EW**	*13,668.10*	**33349EW**	*17,067.10*
NS1250	**33358EW**	*15,579.80*	**33359EW**	*19,934.70*
NS1600	**33368EW**	*20,551.60*	**33369EW**	*27,391.90*

Compact NS type L (Icu = 150kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS630b	**33516EW**	*15,346.00*	**33519EW**	*19,584.50*
NS800	**33517EW**	*15,367.60*	**33520EW**	*19,616.40*
NS1000	**33518EW**	*20,466.10*	**33521EW**	*27,264.10*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		
"ammeter" A		**Price (S$)**
Micrologic 6.0 A	selective + earth-fault protection	*2,252.20*
Micrologic 7.0 A	selective + earth-leakage protection	*2,252.20*
"power meter" P		
Micrologic 5.0 P	selective protection	*4,287.10*
Micrologic 6.0 P	selective + earth-fault protection	*5,743.70*
Micrologic 7.0 P	selective + earth-leakage protection	*5,743.70*

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			DC		
	Standard	Communicating		Standard	Communicating
48 V	**33831**	**33838**	24-30 V	**33830**	**33837**
100-130 V	**33827**	**33834**	48-60 V	**33831**	**33838**
220-240 V	**33828**	**33835**	100-130 V	**33832**	**33839**
380-415 V	**33829**	**33836**	200-250 V	**33833**	**33840**

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B58 to B62*

NS630b to NS1600 accessories
for fixed devices

Unit price (excl. GST) in Singapore Dollars

Connections for circuit breakers and switch-disconnectors

Rear connection			3P	Price (S$)	4P	Price (S$)
	Vertical	Top	**33604**	*371.90*	**33614**	*495.50*
		Bottom	**33605**	*371.90*	**33615**	*495.50*
	Horizontal	Top	**33606**	*371.90*	**33616**	*495.50*
		Bottom	**33607**	*371.90*	**33617**	*495.50*

Connection accessories		Front connection		Rear connection	
Bare-cable connectors + 1 connector shield for 4 cables (240 mm2)			Price (S$)		
	3P (3 parts)	**33640**	*664.40*		
	4P (4 parts)	**33641**	*884.80*		
1 long connection shield			Price (S$)		
	3P	**33628**	*125.50*		
	4P	**33629**	*162.80*		
Vertical-connection adapters			Price (S$)		
	3P (3 parts)	**33642**	*822.20*		
	4P (4 parts)	**33643**	*1,022.80*		
Cable lug adapters			Price (S$)		
	3P (3 parts)	**33644**	*494.70*		
	4P (4 parts)	**33645**	*664.40*		
Cable lug kits			Price (S$)		
	240 mm² 3P (6 lug kit)	**33013**	*354.40*		
	240 mm² 4P (8 lug kit)	**33014**	*472.80*		
	300 mm² 3P (6 lug kit)	**33015**	*398.70*		
	300 mm² 4P (8 lug kit)	**33016**	*531.50*		
Interphase barriers			Price (S$)		Price (S$)
	3P/4P top (3 parts)	**33646**	*63.70*	**33648**	*102.00*
	3P/4P bottom (3 parts)	**33646**	*63.70*	**33648**	*102.00*
Arc chute screen			Price (S$)		
	3P	**33596**	*63.90*		
	4P	**33597**	*86.60*		
Spreaders			Price (S$)		Price (S$)
	3P	**33622**	*483.50*	**33622**	*483.50*
	4P	**33623**	*648.90*	**33623**	*648.90*

Electrical auxiliaries

OF On/Off indication contacts		6 A - 240 V	Price (S$)	Low level	Price (S$)
	OF, ON/OFF indication contacts	**33108**	*65.30*	**33109**	*106.10*

Up to 3 OF, 1 SD and 1 SDE can be connected (the SDE contact is standard for electrically operated devices).

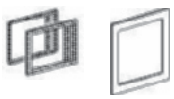
Instantaneous voltage releases *(1)*

Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)	MN Delay unit *(2)* R (non-adjustable)		Rr (adjustable)	
12 V DC	**33658**	*289.00*						
24-30 V DC, 24V AC	**33659**	*289.00*	**33668**	*289.00*				
48-60 V DC, 48V AC *(2)*	**33660**	*289.00*	**33669**	*289.00*			**33680**	*536.70*
100-130 V AC/DC	**33661**	*289.00*	**33670**	*289.00*	**33684**	*420.20*	**33681**	*536.70*
200-250 V AC/DC	**33662**	*289.00*	**33671**	*289.00*	**33685**	*420.20*	**33682**	*536.70*
240-277 V AC	**33663**	*289.00*						
380-480 V AC	**33664**	*289.00*	**33673**	*289.00*			**33683**	*536.70*

(1) Discount code 12 applies.

(2) Except 33680 is 48/609 V AC/DC

Installation accessories

			Price (S$)
 ref. 33717 ref. 33718	Escutcheon (small cut-out) for manually operated device with toggle	**33717**	*39.20*
	Escutcheon for: - device with toggle (large cutout)	**33718**	*81.40*
	- device with rotary handle		
	- electrically operated device		

Blanking plate

			Price (S$)
	Blanking plate	**33858**	*185.40*

Life Is On Schneider Electric

NS630b to NS1600 accessories
for withdrawable devices

Unit price (excl. GST) in Singapore Dollars

Connection accessories (both front and rear connections)

Interphase barriers for rear-connected chassis

			Price (S$)
3P/4P (3 parts)	**33768**	*107.10*

Spreaders for front-connected and rear-connected chassis

		Price (S$)
3P (3 parts)	**33622**	*483.50*
4P (4 parts)	**33623**	*648.90*

Cable lug kits *(1)*

			Price (S$)
240 mm²	3P (6 lug kit)	**33013**	*354.40*
	4P (8 lug kit)	**33014**	*472.80*
300 mm²	3P (6 lug kit)	**33015**	*398.70*
	4P (8 lug kit)	**33016**	*531.50*

Chassis accessories

Auxiliary terminal shield (CB)

		Price (S$)
3P	**33763**	*113.30*
4P	**33764**	*132.90*

Safety shutters (VO)

		Price (S$)
3P	**33765**	*160.00*
4P	**33766**	*196.00*

Electrical auxiliaries

OF On/Off indication contact

	6 A - 240 V	Price (S$)	Low level	Price (S$)
OF, ON/OFF indication contacts	**33801**	*70.40*	**33804**	*103.00*
SD trip indication contact for manually operated devices	**33800**	*70.40*	**33803**	*103.00*
SDE fault indication contact operated devices	**33799**	*70.40*	**33802**	*103.00*

Up to 3 OF, 1 SD and 1 SDE can be connected (the SDE contact is standard for electrically operated devices).

CE, CD, CT carriage switches

		Price (S$)
6 A - 240 V	**33170**	*102.00*
Low level	**33171**	*102.00*

Up to 3 CE, 1 CT, 2 CD per device

Instantaneous voltage releases

Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)	MN Delay unit R (non-adjustable)	Price (S$)	Rr (adjustable)	Price (S$)
12 V DC	**33809**	*289.00*						
24-30 V DC, 24V AC	**33810**	*289.00*	**33819**	*289.00*				
48-60 V DC, 48V AC (1)	**33811**	*289.00*	**33820**	*289.00*			**33680**	*536.70*
100-130 V AC/DC	**33812**	*289.00*	**33821**	*289.00*	**33684**	*420.20*	**33681**	*536.70*
200-250 V AC/DC	**33813**	*289.00*	**33822**	*289.00*	**33685**	*420.20*	**33682**	*536.70*
240-277 V AC	**33814**	*289.00*						
380-480 V AC	**33815**	*289.00*	**33824**	*289.00*			**33683**	*536.70*

(1) Except 33680 is 48/609 V AC/DC

Auxiliary terminals for chassis alone

		Price (S$)
3 wire terminal (30 parts)	**47071**	*590.20*
6 wire terminal (10 parts)	**47072**	*590.20*
Jumpers (10 parts)	**47900**	*45.40*

NS630b to NS1600 accessories
for withdrawable devices

Unit price (excl. GST) in Singapore Dollars

Chassis locking

"Disconnected" position locking

By Profalux keylocks	Reference	Price (S$)
1 lock with 1 key + adaptation kit	**33773**	*354.40*
2 locks 1 key + adaptation kit	**33774**	*708.70*
2 locks 2 different keys + adaptation kit	**33775**	*708.70*

By Ronis keylocks		Price (S$)
1 lock with 1 key + adaptation kit	**33776**	*339.90*
2 locks 1 key + adaptation kit	**33777**	*678.80*
2 locks 2 different keys + adaptation kit	**33778**	*678.80*

Door interlock

		Price (S$)
Right side of chassis (VPECD)	**33786**	*250.30*
Left side of chassis (VPECG)	**33787**	*250.30*

Racking interlock (VPOC)

	Price (S$)
33788	*210.20*

Mismatch protection (VDC)

	Price (S$)
33767	*369.80*

Installation accessories

Escutcheon

	Price (S$)
33857	*112.30*

Transparent cover for escutcheon

	Price (S$)
33859	*929.10*

Blanking plate

	Price (S$)
33858	*185.40*

Life Is On Schneider Electric

NS630b to NS1600 accessories
for fixed and withdrawable devices

Unit price (excl. GST) in Singapore Dollars

Locking for manually operated devices

Fixed toggle locking system

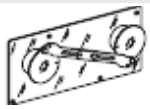
			Price (S$)
Locking by 3 padlocks	**32631**	*90.70*	

Rotary handle for manually operated devices

Devices with direct rotary handles

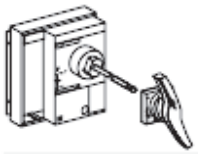
Handle and front	Black handle and black front			**33863**	*254.60*
	Red handle and yellow front			**33864**	*339.90*
Conversion accessory	CNOMO			**33866**	*172.10*
Locking by keylocks		**Ronis**		**Profalux**	
	OFF position	**33870**	*160.20*	**33869**	*160.20*
	OFF and ON positions	**33872**	*160.20*	**33871**	*160.20*
Keylock kit (without keylocks)		**33868**	*38.50*	**33868**	*38.50*

Mechanical interlocking



		Price (S$)
For 2 devices with extended rotary handles	**33890**	*434.70*

Devices with extended rotary handles



			Price (S$)
Handle and front	Black handle and black front	**33878**	*420.20*
	Red handle and yellow front	**33879**	*634.50*
	Telescopic (for chassis-mounted devices)	**33880**	*678.80*

Control accessories

2 advanced indication contacts (6 A - 240 V)	Fixed	Price (S$)	Withdrawable	Price (S$)
Early break	**33882**	*191.60*	**33884**	*191.60*
Early make	**33883**	*191.60*	**33885**	*191.60*

Locking and accessories for electrically operated devices

Pushbutton locking

		Price (S$)
By transparent cover + padlocks	**33897**	*136.00*

Locking in OFF position

By Profalux keylocks		Price (S$)
1 lock with 1 key + adaptation kit	**33902**	*390.40*
2 locks 1 key + adapation kit	**33904**	*781.80*
By Ronis keylocks + BPFE support		
1 lock with 1 key + adaptation kit	**33903**	*369.80*
2 locks 1 key + adapation kit	**33905**	*737.50*

Operation counter CDM

		Price (S$)
Operation counter CDM	**33895**	*590.20*

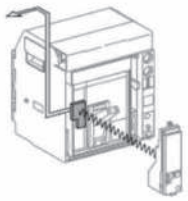
Removable toggle locking system

		Price (S$)
Locking by 3 padlocks	**44936**	*47.00*

NS630b to NS1600 Accessories
for fixed and withdrawable devices

Unit price (excl. GST) in Singapore Dollars

Communications options



For fixed devices	Manually operated	Price (S$)	Electrically operated	Price (S$)
Modbus COM	**33702**	*1,698.50*	**33708**	*1,698.50*
For drawout devices	**Manually operated**		**Electrically operated**	
Modbus COM	**33842**	*1,698.50*	**33848**	*1,698.50*
+ chassis				
Modbus	**33852**	*660.30*	**33852**	*660.30*

Accessories for Micrologic control units

Long-time rating plug (enhanced accuracy by limiting the setting range)

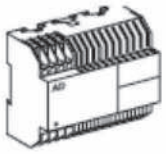
			Price (S$)
Standard	0.4 to 1 x Ir	**33542**	*73.50*
Low setting	0.4 to 0.8 x Ir	**33543**	*73.50*
High setting	0.8 to 1 x Ir	**33544**	*73.50*
Without long-time protection	OFF	**33545**	*73.50*

External sensor

External sensor for neutral + earth-fault protection (TCE)		Price (S$)
CT rating: 400/1600 A	**33576**	*1,770.60*

Source ground return (SGR) earth fault protection		Price (S$)
External sensor (SGR)	**33579**	*2,006.50*

External power supply module



Voltage		Price (S$)
24-30 V DC	**54440**	*1,314.10*
48-60 V DC	**54441**	*1,314.10*
100-125 V DC	**54442**	*1,314.10*
110-130 V AC	**54443**	*672.70*
200-240 V AC	**54444**	*672.70*
380-415 V AC	**54445**	*672.70*

Test equipment

Mini test kit

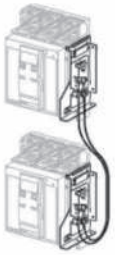
		Price (S$)
Hand held test kit (HHTK)	**33594**	*3,151.50*

Mechanical interlocking for source changeover

Interlocking using connecting rods for Compact electrically operated devices

Complete assembly with 2 adaptation fixtures + rods		Price (S$)
2 Compact fixed devices	**33910**	*1,698.50*
2 Compact withdrawable devices	**33913**	*1,698.50*

Interlocking using cables for Compact electrically operated devices



Complete assembly with 2 adaptation fixtures + cables		Price (S$)
2 Compact fixed devices	**33911**	*1,698.50*
2 Compact withdrawable devices	**33914**	*1,698.50*
1 Compact fixed + 1 Compact withdrawable device	**33915**	*1,814.90*

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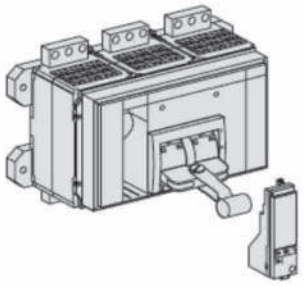
NS1600b to NS3200

Fixed version, manually operated

Unit price (excl. GST) in Singapore Dollars

Circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 85/70kA at 220/415V)

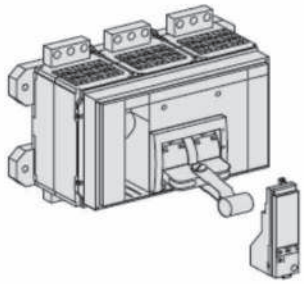
Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34000M2**	*14,644.60*	**34003M2**	*20,931.70*
NS2000	**34006M2**	*14,373.70*	**34009M2**	*21,560.00*
NS2500	**34012M2**	*14,804.20*	**34015M2**	*22,206.80*
NS3200	**34018M2**	*15,248.20*	**34021M2**	*22,873.30*

Compact NS type H (Icu = 125/85kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34001M2**	*16,745.80*	**34004M2**	*25,118.70*
NS2000	**34007M2**	*17,248.40*	**34010M2**	*25,871.60*
NS2500	**34013M2**	*17,765.50*	**34016M2**	*26,648.20*
NS3200	**34019M2**	*18,298.00*	**34022M2**	*27,447.50*

Circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



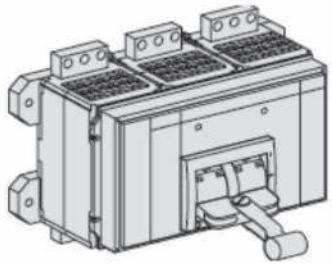
Compact NS type N (Icu = 85/70kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34000M5**	*14,747.60*	**34003M5**	*21,724.80*
NS2000	**34006M5**	*15,166.80*	**34009M5**	*22,353.10*
NS2500	**34012M5**	*15,597.30*	**34015M5**	*22,999.90*
NS3200	**34018M5**	*16,041.30*	**34021M5**	*23,666.40*

Compact NS type H (Icu = 125/85kA at 220/415V)

Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34001M5**	*17,538.90*	**34004M5**	*25,911.80*
NS2000	**34007M5**	*18,041.50*	**34010M5**	*26,664.70*
NS2500	**34013M5**	*18,558.60*	**34016M5**	*27,441.30*
NS3200	**34019M5**	*19,091.10*	**34022M5**	*28,240.60*

Switch-disconnector



Compact NS type NA

Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34024**	*13,130.50*	**34025**	*20,107.70*
NS2000	**34027**	*13,549.70*	**34028**	*20,736.00*
NS2500	**34030**	*13,980.20*	**34031**	*21,382.80*
NS3200	**34033**	*14,424.20*	**34034**	*22,049.30*

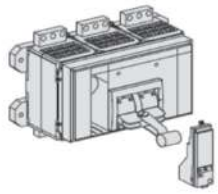
Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.*

NS1600b to NS3200
Fixed version, manually operated and accessories

Unit price (excl. GST) in Singapore Dollars

Front connected circuit breaker with Micrologic 2.0A control unit

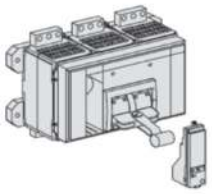
Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 85/70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34000M2A**	*14,502.40*	**34003M2A**	*21,621.80*
NS2000	**34006M2A**	*15,063.80*	**34009M2A**	*22,250.10*
NS2500	**34012M2A**	*15,494.30*	**34015M2A**	*22,896.90*
NS3200	**34018M2A**	*15,938.30*	**34021M2A**	*23,563.40*
Compact NS type H (Icu = 125/85kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34001M2A**	*17,435.90*	**34004M2A**	*25,808.80*
NS2000	**34007M2A**	*17,938.50*	**34010M2A**	*26,561.70*
NS2500	**34013M2A**	*18,455.60*	**34016M2A**	*27,338.30*
NS3200	**34019M2A**	*18,988.10*	**34022M2A**	*28,137.60*

Front connected circuit breaker with Micrologic 5.0A control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



Compact NS type N (Icu = 85/70kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34000M5A**	*15,437.70*	**34003M5A**	*22,414.90*
NS2000	**34006M5A**	*15,856.90*	**34009M5A**	*23,043.20*
NS2500	**34012M5A**	*16,287.40*	**34015M5A**	*23,690.00*
NS3200	**34018M5A**	*16,731.40*	**34021M5A**	*24,356.50*
Compact NS type H (Icu = 125/85kA at 220/415V)				
Rating	3P	Price (S$)	4P	Price (S$)
NS1600b	**34001M5A**	*18,229.00*	**34004M5A**	*26,601.90*
NS2000	**34007M5A**	*18,731.60*	**34010M5A**	*27,354.80*
NS2500	**34013M5A**	*19,248.70*	**34016M5A**	*28,131.40*
NS3200	**34019M5A**	*19,781.20*	**34022M5A**	*28,930.70*

Note: *connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		Price (S$)
Micrologic 6.0 A	selective + earth-fault protection	*2,297.30*
Micrologic 7.0 A	selective + earth-leakage protection	*2,297.30*

Optional vertical connection adaptor

1600/2500 A	3P (3 parts)	**33975**	*810.70*
	4P (4 parts)	**33976**	*1,030.00*

Note: Vertical connections is standard for 3200 A.

Electrical auxiliaries

Indication contacts

	6 A - 240 V	Price (S$)	Low level	Price (S$)
OF, ON/OFF indication contacts	**33108**	*65.30*	**33109**	*106.10*

Up to 3 OF, 1 SD and 1 SDE can be connected.

Instantaneous voltage releases

	MX		MN		MN delay unit *(1)(2)*			
Voltage	(shunt)		(undervoltage)		R (non-adjustable)	Price (S$)	Rr (adjustable)	Price (S$)
12 V DC	**33658**	*289.00*						
24-30 V AC/DC	**33659**	*289.00*	**33668**	*289.00*				
48-60 V AC/DC	**33660**	*289.00*	**33669**	*289.00*			**33680**	*536.70*
100-130 V AC/DC	**33661**	*289.00*	**33670**	*289.00*	**33684**	*420.20*	**33681**	*536.70*
200-250 V AC/DC	**33662**	*289.00*	**33671**	*289.00*	**33685**	*420.20*	**33682**	*536.70*
240-277 V AC	**33663**	*289.00*						
380-480 V AC	**33664**	*289.00*	**33673**	*289.00*			**33683**	*536.70*

(1) Must be used with instantaneous voltage release (MN)

Locking

Removable toggle locking system

		Price (S$)
Locking by 3 padlocks	**33996**	*52.60*

Fixed toggle locking system

Locking by 3 padlocks	**32631**	*90.70*

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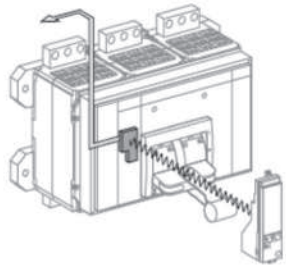
NS1600b to NS3200 accessories

Unit price (excl. GST) in Singapore Dollars

Communications option



		Price (S$)
Modbus COM	**33986**	*1,698.50*

Accessories for Micrologic control units

Long-time rating plug (enhanced accuracy by limiting the setting range)

			Price (S$)
Standard	0.4 to 1 x Ir	**33542**	*73.50*
Low setting	0.4 to 0.8 x Ir	**33543**	*73.50*
High setting	0.8 to 1 x Ir	**33544**	*73.50*
Without long-time protection	OFF	**33545**	*73.50*

External sensors

External sensor for neutral + earth-fault protection (TCE)

		Price (S$)
CT rating: 1000/4000 A	**34036**	*2,071.70*

Source ground return (SGR) earth fault protection

		Price (S$)
External sensor (SGR)	**33579**	*2,006.50*

External power supply module (AD) *(1)*

		Price (S$)
24-30 V DC	**54440**	*1,314.10*
48-60 V DC	**54441**	*1,314.10*
100-125 V DC	**54442**	*1,314.10*
110-130 V AC	**54443**	*672.70*
200-240 V AC	**54444**	*672.70*
380-415 V AC	**54445**	*672.70*

Test equipment

Mini test kit

		Price (S$)
Hand held test kit (HHTK)	**33594**	*3,151.50*

Installation accessories

Escutcheon

		Price (S$)
	33929	*277.40*

Interphase barriers (3 parts)

		Price (S$)
	33998	*233.60*

EZC100N/H 1P/2P

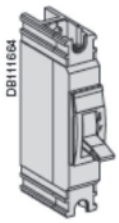
Circuit breaker

Unit price (excl. GST) in Singapore Dollars

B

EasyPact EZC100N 1P 18 kA 220/240 V

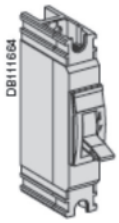
With thermal magnetic trip unit



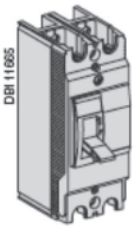
Rating	1P 1t	Price (S$)
15 A	**EZC100N1015**	*89.30*
20 A	**EZC100N1020**	*89.30*
25 A	**EZC100N1025**	*89.30*
30 A	**EZC100N1030**	*89.30*
40 A	**EZC100N1040**	*89.30*
50 A	**EZC100N1050**	*89.30*
60 A	**EZC100N1060**	*89.30*
75 A	**EZC100N1075**	*89.30*
80 A	**EZC100N1080**	*89.30*
100 A	**EZC100N1100**	*89.30*

EasyPact EZC100H 1P 25 kA - 2P 50 kA 220/240 V

With thermal magnetic trip unit



1P



2P

Rating	1P 1t	Price (S$)	2P 2t	Price (S$)
15 A	**EZC100H1015**	*100.80*	**EZC100H2015**	*169.00*
20 A	**EZC100H1020**	*100.80*	**EZC100H2020**	*169.00*
25 A	**EZC100H1025**	*100.80*	**EZC100H2025**	*169.00*
30 A	**EZC100H1030**	*100.80*	**EZC100H2030**	*169.00*
40 A	**EZC100H1040**	*100.80*	**EZC100H2040**	*169.00*
50 A	**EZC100H1050**	*100.80*	**EZC100H2050**	*169.00*
60 A	**EZC100H1060**	*100.80*	**EZC100H2060**	*169.00*
75 A	**EZC100H1075**	*100.80*	**EZC100H2075**	*169.00*
80 A	**EZC100H1080**	*100.80*	**EZC100H2080**	*169.00*
100 A	**EZC100H1100**	*100.80*	**EZC100H2100**	*169.00*

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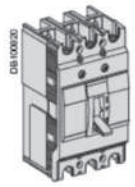
EZC100N/H/B/F 3P/4P

Circuit breaker

Unit price (excl. GST) in Singapore Dollars

EasyPact EZC100B 3P 7.5 kA 400/415 V

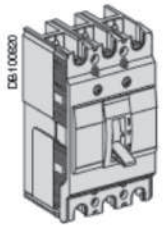
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
15 A	EZC100B3015	129.30
20 A	EZC100B3020	129.30
25 A	EZC100B3025	129.30
30 A	EZC100B3030	129.30
40 A	EZC100B3040	129.30
50 A	EZC100B3050	129.30
60 A	EZC100B3060	129.30

EasyPact EZC100F 3P 10 kA 400/415 V

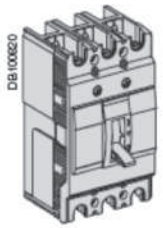
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
15 A	EZC100F3015	132.40
20 A	EZC100F3020	132.40
25 A	EZC100F3025	132.40
30 A	EZC100F3030	132.40
40 A	EZC100F3040	132.40
50 A	EZC100F3050	132.40
60 A	EZC100F3060	132.40
75 A	EZC100F3075	132.40
80 A	EZC100F3080	132.40
100 A	EZC100F3100	132.40

EasyPact EZC100N 3P/4P 15 kA 400/415 V

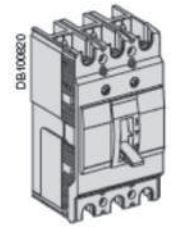
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)	4P 3t	Price (S$)
15 A	EZC100N3015	155.60	EZC100N4015	259.40
20 A	EZC100N3020	155.60	EZC100N4020	259.40
25 A	EZC100N3025	155.60	EZC100N4025	259.40
30 A	EZC100N3030	155.60	EZC100N4030	259.40
40 A	EZC100N3040	155.60	EZC100N4040	259.40
50 A	EZC100N3050	155.60	EZC100N4050	259.40
60 A	EZC100N3060	155.60	EZC100N4060	259.40
75 A	EZC100N3075	155.60	EZC100N4075	259.40
80 A	EZC100N3080	155.60	EZC100N4080	259.40
100 A	EZC100N3100	155.60	EZC100N4100	259.40

EasyPact EZC100H 3P/4P 30 kA 400/415 V

With thermal magnetic trip unit



Rating	3P 3t	Price (S$)	4P 3t	Price (S$)
15 A	EZC100H3015	162.00	EZC100H4015	272.00
20 A	EZC100H3020	162.00	EZC100H4020	272.00
25 A	EZC100H3025	162.00	EZC100H4025	272.00
30 A	EZC100H3030	162.00	EZC100H4030	272.00
40 A	EZC100H3040	162.00	EZC100H4040	272.00
50 A	EZC100H3050	162.00	EZC100H4050	272.00
60 A	EZC100H3060	162.00	EZC100H4060	272.00
75 A	EZC100H3075	162.00	EZC100H4075	272.00
80 A	EZC100H3080	162.00	EZC100H4080	272.00
100 A	EZC100H3100	162.00	EZC100H4100	272.00

EZC100N/H/B/F
Accessories

Unit price (excl. GST) in Singapore Dollars

Connection accessories

Plug-in base and Fishbone accessories

		Reference	Price (S$)
Plug-in base 3P	15-50A	**EZAPLUG3L**	*115.30*
	60-100A	**EZAPLUG3H**	*115.30*
Fishbone connectors	Set of 3	**EZAFSHB3**	*28.60*

Cable lugs

DB100821

DB100822

			Reference	Price (S$)
≤ 50 A	Cables from 2.5 to 16 mm2	Set of 2	**EZALUG0502**	*21.00*
		Set of 3	**EZALUG0503**	*24.20*
> 50 A	Cables from 10 to 50 mm2	Set of 2	**EZALUG1002**	*21.00*
		Set of 3	**EZALUG1003**	*24.20*

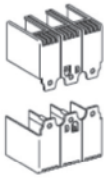
Spreader

DB100823

		Reference	Price (S$)
Spreaders for 3-pole breaker	set of 3	**EZASPDR3P**	*17.90*
Spreaders for 4-pole breaker	set of 4	**EZASPDR4P**	*27.30*

Terminal shield

DB100824



		Reference	Price (S$)
Terminal shield for 3-pole breaker	Set of 2	**EZATSHD3P**	*50.00*
Terminal shield for 4-pole breaker	Set of 2	**EZATSHD4P**	*67.20*

Phase barriers

DB100826

		Reference	Price (S$)
Phase barriers	Set of 2	**EZAFASB2**	*17.40*

EasyPact EZC100

Indication contacts

DB100827

DB100828

DB100829

	Reference	Price (S$)
Auxiliary switch (AX)	**EZAUX10**	*39.80*
Alarm switch (AL)	**EZAUX01**	*47.00*
Auxiliary switch/Alarm switch (AX/AL)	**EZAUX11**	*82.70*

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EZC100N/H/B/F (cont.)

Accessories

Unit price (excl. GST) in Singapore Dollars

Electrical auxiliaries (cont.)

Voltage releases

Shunt trip (SHT)

	Voltage	MX/SHT	Price (S$)
AC	100-130 V	**EZASHT100AC**	*116.30*
	200-277 V	**EZASHT200AC**	*116.30*
	380-480 V	**EZASHT380AC**	*116.30*
DC	24 V	**EZASHT024DC**	*116.30*
	48 V	**EZASHT048DC**	*116.30*

Under voltage release (UVR)

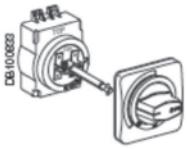
	Voltage	MN/UVR	Price (S$)
AC	110-130 V	**EZAUVR110AC**	*207.90*
	200-240 V	**EZAUVR200AC**	*207.90*
	380-415 V	**EZAUVR380AC**	*207.90*
	440-480 V	**EZAUVR440AC**	*207.90*
DC	24 V	**EZAUVR024DC**	*207.90*
	48 V	**EZAUVR048DC**	*207.90*
	125 V	**EZAUVR125DC**	*207.90*

Rotary handles

Direct rotary handle (for 3 pole breaker)

	Reference	Price (S$)
Direct rotary handle (black)	**EZAROTDS**	*94.80*

Extended rotary handle (for 3 pole breaker)



	Reference	Price (S$)
Extended rotary handle (black)	**EZAROTE**	*165.90*

Locks

Padlocking system

	Reference	Price (S$)
Padlocking system	**EZALOCK**	*14.50*

Installation accessory

Din rail adaptor

	Reference	Price (S$)
For 2 x 1 pole or 1 x 2 pole or 1 x 3 pole breaker	**EZADINR**	*17.60*

Note: for 4P breaker, use 2 adaptors

EZC250N/H/F 2P/3P/4P

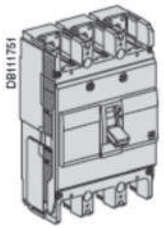
Circuit breaker

Unit price (excl. GST) in Singapore Dollars

B

EasyPact EZC250F 3P 18 kA 400/415 V

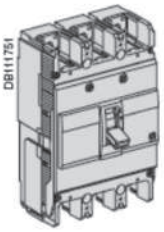
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
100 A	EZC250F3100	418.20
125 A	EZC250F3125	418.20
150 A	EZC250F3150	418.20
160 A	EZC250F3160	418.20
175 A	EZC250F3175	418.20
200 A	EZC250F3200	418.20
225 A	EZC250F3225	418.20
250 A	EZC250F3250	418.20

EasyPact EZC250N 3P 25 kA 400/415 V

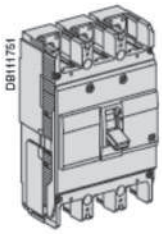
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
100 A	EZC250N3100	431.60
125 A	EZC250N3125	431.60
150 A	EZC250N3150	431.60
160 A	EZC250N3160	431.60
175 A	EZC250N3175	431.60
200 A	EZC250N3200	431.60
225 A	EZC250N3225	431.60
250 A	EZC250N3250	431.60

EasyPact EZC250H 2/3P 36 kA 400/415 V

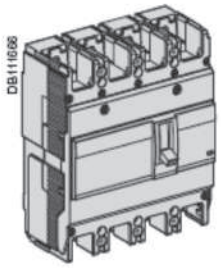
With thermal magnetic trip unit



Rating	2P 2t	Price (S$)	3P 3t	Price (S$)
100 A	EZC250H2100	479.90	EZC250H3100	496.50
125 A	EZC250H2125	479.90	EZC250H3125	496.50
150 A	EZC250H2150	479.90	EZC250H3150	496.50
160 A	EZC250H2160	479.90	EZC250H3160	496.50
175 A	EZC250H2175	479.90	EZC250H3175	496.50
200 A	EZC250H2200	479.90	EZC250H3200	496.50
225 A	EZC250H2225	479.90	EZC250H3225	496.50
250 A	EZC250H2250	479.90	EZC250H3250	496.50

EasyPact EZC250N 4P 25 kA 400/415 V

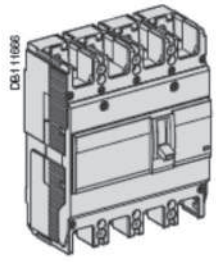
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)
63A	EZC250N4063	696.80
80A	EZC250N4080	696.80
100 A	EZC250N4100	696.80
125 A	EZC250N4125	696.80
150 A	EZC250N4150	696.80
160 A	EZC250N4160	696.80
175 A	EZC250N4175	696.80
200 A	EZC250N4200	696.80
225 A	EZC250N4225	696.80
250 A	EZC250N4250	696.80

EasyPact EZC250H 4P 36 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)
63A	EZC250H4063	801.90
80A	EZC250H4080	801.90
100 A	EZC250H4100	801.90
125 A	EZC250H4125	801.90
150 A	EZC250H4150	801.90
160 A	EZC250H4160	801.90
175 A	EZC250H4175	801.90
200 A	EZC250H4200	801.90
225 A	EZC250H4225	801.90
250 A	EZC250H4250	801.90

Life Is On Schneider Electric

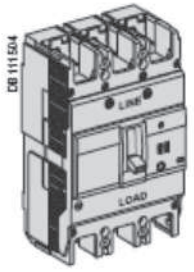
EZCV250N/H 3P/4P

Earth-leakage circuit breaker

Unit price (excl. GST) in Singapore Dollars

EasyPact EZCV250N 3P 25 kA 400/415 V

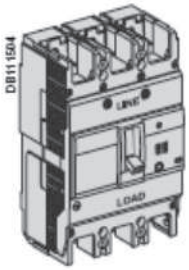
With thermal magnetic trip unit earth leakage protection



Rating	3P 3t	Price (S$)
63A	**EZCV250N3063**	*799.80*
80A	**EZCV250N3080**	*799.80*
100 A	**EZCV250N3100**	*799.80*
125 A	**EZCV250N3125**	*799.80*
150 A	**EZCV250N3150**	*799.80*
160 A	**EZCV250N3160**	*799.80*
175 A	**EZCV250N3175**	*799.80*
200 A	**EZCV250N3200**	*799.80*
225 A	**EZCV250N3225**	*799.80*
250 A	**EZCV250N3250**	*799.80*

EasyPact EZCV250H 3P 36 kA 400/415 V

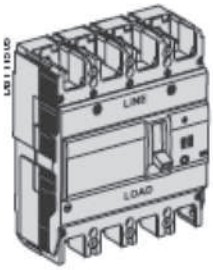
With thermal magnetic trip unit earth leakage protection



Rating	3P 3t	Price (S$)
63A	**EZCV250H3063**	*865.30*
80A	**EZCV250H3080**	*865.30*
100 A	**EZCV250H3100**	*865.30*
125 A	**EZCV250H3125**	*865.30*
150 A	**EZCV250H3150**	*865.30*
160 A	**EZCV250H3160**	*865.30*
175 A	**EZCV250H3175**	*865.30*
200 A	**EZCV250H3200**	*865.30*
225 A	**EZCV250H3225**	*865.30*
250 A	**EZCV250H3250**	*865.30*

EasyPact EZCV250N 4P 25 kA 400/415 V

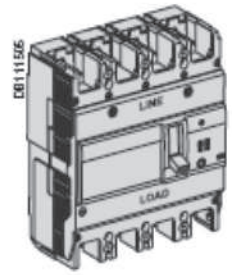
With thermal magnetic trip unit earth leakage protection



Rating	4P 3t	Price (S$)
63A	**EZCV250N4063**	*1,060.80*
80A	**EZCV250N4080**	*1,060.80*
100 A	**EZCV250N4100**	*1,060.80*
125 A	**EZCV250N4125**	*1,060.80*
150 A	**EZCV250N4150**	*1,060.80*
160 A	**EZCV250N4160**	*1,060.80*
175 A	**EZCV250N4175**	*1,060.80*
200 A	**EZCV250N4200**	*1,060.80*
225 A	**EZCV250N4225**	*1,060.80*
250 A	**EZCV250N4250**	*1,060.80*

EasyPact EZCV250H 4P 36 kA 400/415 V

With thermal magnetic trip unit earth leakage protection



Rating	4P 3t	Price (S$)
63A	**EZCV250H4063**	*1,165.90*
80A	**EZCV250H4080**	*1,165.90*
100 A	**EZCV250H4100**	*1,165.90*
125 A	**EZCV250H4125**	*1,165.90*
150 A	**EZCV250H4150**	*1,165.90*
160 A	**EZCV250H4160**	*1,165.90*
175 A	**EZCV250H4175**	*1,165.90*
200 A	**EZCV250H4200**	*1,165.90*
225 A	**EZCV250H4225**	*1,165.90*
250 A	**EZCV250H4250**	*1,165.90*

EZC250N/H/F
Accessories

Unit price (excl. GST) in Singapore Dollars

Connection accessories

Plug-in base

		Reference	Price (S$)
Plug-in base 3P 100A - 250A		**EZEPLUG3L**	*405.00*
Plug-in base 4P 100A - 250A		**EZEPLUG4**	*492.70*

Cable lugs

		Reference	Price (S$)
250 A	Set of 3	**EZELUG2503**	*38.90*
Cables from 42 to 152 mm²	Set of 4	**EZELUG2504**	*52.50*

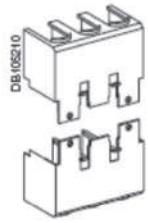
Terminal extension

		Reference	Price (S$)
Terminal extension for 3-pole breaker	Set of 3	**EZETEX**	*21.00*
Terminal extension for 4-pole breaker	Set of 4	**EZETEX4P**	*28.40*

Spreader

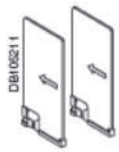
		Reference	Price (S$)
Spreaders for 3-pole breaker	Set of 3	**EZESPDR3P**	*20.40*
Spreaders for 4-pole breaker	Set of 4	**EZESPDR4P**	*28.40*

Terminal shield



		Reference	Price (S$)
Terminal shield for 3-pole breaker (60mm depth)	Set of 2	**EZETSHD3P**	*65.10*
Terminal shield for 3-pole breaker (68mm depth)	Set of 2	**EZETSHD3PN**	*72.50*
Terminal shield for 4-pole breaker (68mm depth)	Set of 2	**EZETSHD4PN**	*95.60*

Phase barriers



		Reference	Price (S$)
Phase barriers for 60mm depth	Set of 2	**EZEFASB2**	*21.50*
Phase barriers for 68mm depth	Set of 3	**EZEFASB3N**	*34.00*

Electrical auxiliaries

Indication contacts

	Reference	Price (S$)
Auxiliary switch (AX)	**EZEAX**	*50.50*

	Reference	Price (S$)
Alarm switch (AL)	**EZEAL**	*58.80*

	Reference	Price (S$)
Auxiliary switch/Alarm switch (AX/AL)	**EZEAXAL**	*103.00*

	Reference	Price (S$)
Earth-leakage alarm switch (ALV) (only for EZCV250)	**EZEALV**	*58.80*

Life Is On Schneider Electric

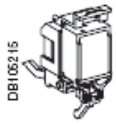
EZC250N/H/F

Accessories

Unit price (excl. GST) in Singapore Dollars

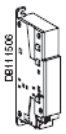
Electrical auxiliaries (cont.)

Voltage releases

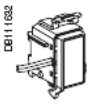


Shunt trip (SHT)

	Voltage	MX/SHT	Price (S$)
AC	100-120 V	**EZESHT100AC**	*124.50*
	120-130 V	**EZESHT120AC**	*124.50*
	200-240 V	**EZESHT200AC**	*124.50*
	277 V	**EZESHT277AC**	*124.50*
	380-440 V	**EZESHT400AC**	*124.50*
	440-480 V	**EZESHT440AC**	*124.50*
DC	24 V	**EZESHT024DC**	*124.50*
	48 V	**EZESHT048DC**	*124.50*



(UVR)



(UVRN)

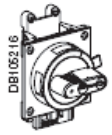
Under voltage release

	Voltage	MN/UVR	Price (S$)	MN/UVR *(1)*	Price (S$)
AC	110-130 V	**EZEUVR110AC**	*281.40*	**EZEUVRN110AC**	*281.40*
	200-240 V	**EZEUVR200AC**	*281.40*	**EZEUVRN200AC**	*281.40*
	277 V	**EZEUVR277AC**	*281.40*	**EZEUVRN277AC**	*281.40*
	380-415 V	**EZEUVR400AC**	*281.40*	**EZEUVRN400AC**	*281.40*
	440-480 V	**EZEUVR440AC**	*281.40*	**EZEUVRN440AC**	*281.40*
DC	24 V	**EZEUVR024DC**	*281.40*	**EZEUVRN024DC**	*281.40*
	48 V	**EZEUVR048DC**	*281.40*	**EZEUVRN048DC**	*281.40*
	125 V	**EZEUVR125DC**	*281.40*	**EZEUVRN125DC**	*281.40*

(1) Only EZC250-4P and EZCV250-3/4P.

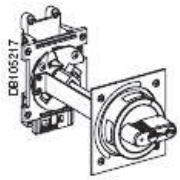
Rotary handles

Direct rotary handle



	Reference	Price (S$)
Direct rotary handle (black)	**EZEROTDS**	*119.70*

Extended rotary handle



	Reference	Price (S$)
Extended rotary handle (black)	**EZEROTE**	*211.10*

Locks

Padlocking system

	Reference	Price (S$)
Padlocking system for EZC250-3P	**EZELOCK**	*17.90*
Padlocking system for EZC250-4P and EZCV250-3/4P	**EZELOCKN**	*17.90*

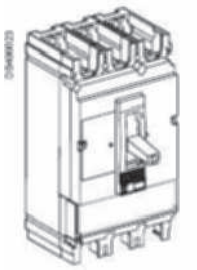
EZC400N/H 3P/4P

Circuit breaker

Unit price (excl. GST) in Singapore Dollars

EasyPact EZC400N 3P 36 kA 400/415 V

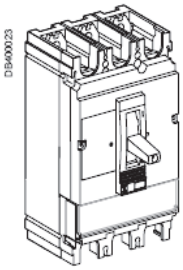
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
320A	**EZC400N3320N**	*762.00*
350A	**EZC400N3350N**	*762.00*
400A	**EZC400N3400N**	*762.00*

EasyPact EZC400H 3P 50 kA 400/415 V

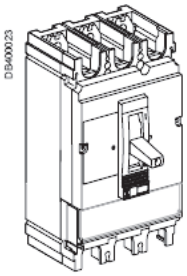
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
320A	**EZC400H3320N**	*940.00*
350A	**EZC400H3350N**	*940.00*
400A	**EZC400H3400N**	*940.00*

EasyPact EZC400N 4P 36 kA 400/415 V

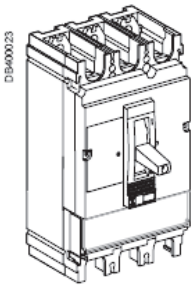
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	4P 4t	Price (S$)
320A	**EZC400N4320N**	*1,243.00*	**EZC400N44320N**	*1,299.00*
350A	**EZC400N4350N**	*1,243.00*	**EZC400N44350N**	*1,299.00*
400A	**EZC400N4400N**	*1,243.00*	**EZC400N44400N**	*1,299.00*

EasyPact EZC400H 4P 50 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	4P 4t	Price (S$)
320A	**EZC400H4320N**	*1,478.00*	**EZC400H44320N**	*1,539.00*
350A	**EZC400H4350N**	*1,478.00*	**EZC400H44350N**	*1,539.00*
400A	**EZC400H4400N**	*1,478.00*	**EZC400H44400N**	*1,539.00*

Note: For new EZC400/630 accessories, please refer to product catalogue

Life Is On Schneider Electric

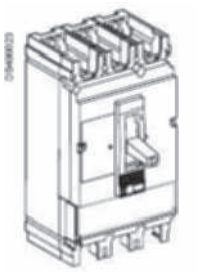
EZC630N/H 3P/4P

Circuit breaker

Unit price (excl. GST) in Singapore Dollars

EasyPact EZC630N 3P 36 kA 400/415 V

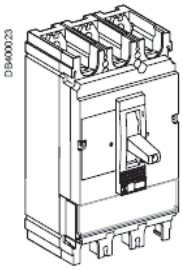
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
400A	**EZC630N3400N**	*1,375.00*
500A	**EZC630N3500N**	*1,375.00*
600A	**EZC630N3600N**	*1,375.00*

EasyPact EZC630H 3P 50 kA 400/415 V

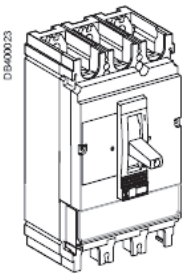
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
400A	**EZC630H3400N**	*1,435.00*
500A	**EZC630H3500N**	*1,435.00*
600A	**EZC630H3600N**	*1,435.00*

EasyPact EZC630N 4P 36 kA 400/415 V

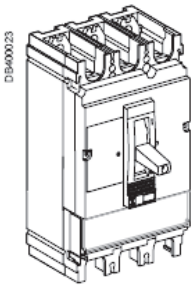
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	4P 4t	Price (S$)
400A	**EZC630N4400N**	*1,870.00*	**EZC630N44400N**	*1,929.00*
500A	**EZC630N4500N**	*1,870.00*	**EZC630N44500N**	*1,929.00*
600A	**EZC630N4600N**	*1,870.00*	**EZC630N44600N**	*1,929.00*

EasyPact EZC630H 4P 50 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	4P 4t	Price (S$)
400A	**EZC630H4400N**	*1,930.00*	**EZC630H44400N**	*1,999.00*
500A	**EZC630H4500N**	*1,930.00*	**EZC630H44500N**	*1,999.00*
600A	**EZC630H4600N**	*1,930.00*	**EZC630H44600N**	*1,999.00*

Note: For new EZC400/630 accessories, please refer to product catalogue

EasyPact Busbar

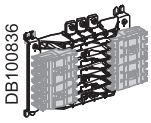
Type-tested solution IEC60439

Unit price (excl. GST) in Singapore Dollars

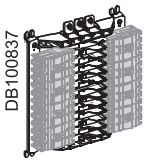
B

Main Busbar

Main Busbar (for EasyPact EZC100 outgoing MCCBs)



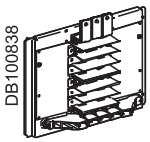
4 ways (3-pole)



8 ways (3-pole)

nos. of ways	250 A	Price (S$)	400 A	Price (S$)	630 A	Price (S$)
4	**EZB250W04**	*525.30*	**EZB400W04**	*634.40*	**EZB630W04**	*788.50*
6	**EZB250W06**	*606.90*	**EZB400W06**	*750.70*	**EZB630W06**	*914.90*
8	**EZB250W08**	*699.80*	**EZB400W08**	*992.50*	**EZB630W08**	*1,052.60*
10	**EZB250W10**	*752.80*	**EZB400W10**	*1,022.10*	**EZB630W10**	*1,190.30*
12	**EZB250W12**	*884.40*	**EZB400W12**	*1,164.90*	**EZB630W12**	*1,331.10*

Compact NS/NB branch extension

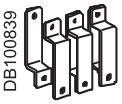


4 ways (3-pole)

nos. of ways	*Reference*	Price (S$)
2	**EZBNS2**	*576.50*
4	**EZBNS4**	*823.20*

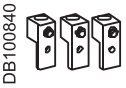
Main incoming connections

Main connectors



	250 A	Price (S$)	400 A	Price (S$)	630 A	Price (S$)
To connect the main incomer to EasyPact busbar (Compact NS/NB or INS switch)	**EZB250MCNS**	*69.30*	**EZB400MCNS**	*135.50*	**EZB630MCNS**	*191.10*

Mechanical lugs



	250 A	Price (S$)	400 A	Price (S$)	630 A	Price (S$)
Incoming cable size	16-150 mm2		35-300 mm2		25-240 mm2 2 cables per phase	
Lug kit for bare incoming cables	**EZB250MLUG**	*60.90*	**EZB400MLUG**	*162.80*	**EZB630MLUG**	*368.60*

Connector caps

		Reference	Price (S$)
EasyPact branch MCCB	Set of 3	**EZB100CAP**	*25.20*
Compact NS/NB branch MCCB	Set of 3	**EZB250CAP**	*26.30*

Life Is On Schneider Electric

CVS100/160/250B:

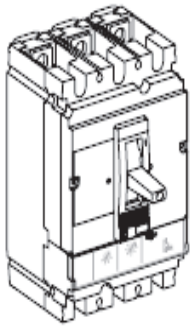
Complete fixed/FC device

Easypact CVS 100/160/250B (25 kA 380/415V)

Unit price (excl. GST) in Singapore Dollars

EasyPact CVS 100/160/250B

With TM-D thermal-magnetic trip unit



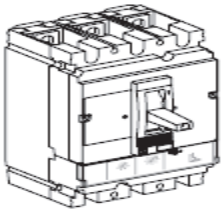
EasyPact CVS100B (25 kA at 380/415V)		*Price (S$)*		*Price (S$)*
Rating	**3P** 3d		**4P** 3d	
TM16D	**LV510300**	*168.90*	**LV510310**	*290.30*
TM25D	**LV510301**	*168.90*	**LV510311**	*290.30*
TM32D	**LV510302**	*168.90*	**LV510312**	*290.30*
TM40D	**LV510303**	*168.90*	**LV510313**	*290.30*
TM50D	**LV510304**	*168.90*	**LV510314**	*290.30*
TM63D	**LV510305**	*168.90*	**LV510315**	*290.30*
TM80D	**LV510306**	*168.90*	**LV510316**	*290.30*
TM100D	**LV510307**	*168.90*	**LV510317**	*290.30*
EasyPact CVS160B (25 kA at 380/415V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV516301**	*310.00*	**LV516311**	*473.00*
TM125D	**LV516302**	*310.00*	**LV516312**	*473.00*
TM160D	**LV516303**	*310.00*	**LV516313**	*473.00*
EasyPact CVS250B (25 kA at 380/415V)				
Rating	**3P** 3d		**4P** 3d	
TM160D	**LV525301**	*465.00*	**LV525311**	*760.00*
TM200D	**LV525302**	*465.00*	**LV525312**	*760.00*
TM250D	**LV525303**	*465.00*	**LV525313**	*760.00*

CVS100/160/250F / NA:
Complete fixed/FC device
Easypact CVS100/160/250F (36 kA 380/415V) / NA

Unit price (excl. GST) in Singapore Dollars

EasyPact CVS100/160/250F

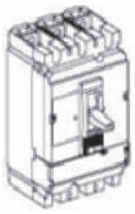
With TM-D thermal-magnetic trip unit



Rating	3P 3d		4P 3d	
EasyPact CVS100F (36 kA at 380/415V)				
TM16D	**LV510330**	*275.00*	**LV510340**	*422.30*
TM25D	**LV510331**	*275.00*	**LV510341**	*422.30*
TM32D	**LV510332**	*275.00*	**LV510342**	*422.30*
TM40D	**LV510333**	*275.00*	**LV510343**	*422.30*
TM50D	**LV510334**	*275.00*	**LV510344**	*422.30*
TM63D	**LV510335**	*275.00*	**LV510345**	*422.30*
TM80D	**LV510336**	*275.00*	**LV510346**	*422.30*
TM100D	**LV510337**	*275.00*	**LV510347**	*422.30*
EasyPact CVS160F (36 kA at 380/415V)				
Rating	**3P** 3d		**4P** 3d	
TM100D	**LV516331**	*390.00*	**LV516341**	*548.90*
TM125D	**LV516332**	*390.00*	**LV516342**	*548.90*
TM160D	**LV516333**	*390.00*	**LV516343**	*548.90*
EasyPact CVS250F (36 kA at 380/415V)				
Rating	**3P** 3d		**4P** 3d	
TM160D	**LV525331**	*490.90*	**LV525341**	*738.90*
TM200D	**LV525332**	*490.90*	**LV525342**	*738.90*
TM250D	**LV525333**	*490.90*	**LV525343**	*738.90*

EasyPact CVS100/160/250F

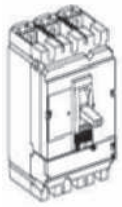
With MA magnetic trip unit



Rating	3P 3d	
EasyPact CVS100F (36 kA at 380/415V)		
MA2.5	**LV510440**	*405.60*
MA6.3	**LV510441**	*405.60*
MA12.5	**LV510442**	*405.60*
MA25	**LV510443**	*405.60*
MA50	**LV510444**	*405.60*
MA100	**LV510445**	*405.60*
EasyPact CVS160F (36 kA at 380/415V)		
Rating	**3P** 3d	
MA100	**LV516439**	*488.90*
MA150	**LV516440**	*488.90*
EasyPact CVS250F (36 kA at 380/415V)		
Rating	**3P** 3d	
MA150	**LV525438**	*627.80*
MA220	**LV525439**	*627.80*

EasyPact CVS100/160/250NA switch-disconnector

With NA switch-disconnector unit



Rating	3P		4P	
EasyPact CVS100NA				
100	**LV510425**	*291.20*	**LV510426**	*422.30*
EasyPact CVS160NA				
Rating	**3P**		**4P**	
160	**LV516425**	*370.00*	**LV516426**	*548.90*
EasyPact CVS250NA				
Rating	**3P**		**4P**	
250	**LV525425**	*502.30*	**LV525426**	*740.00*

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CVS100/160/250
Easypact and Vigi
Add-on Vigi module

Unit price (excl. GST) in Singapore Dollars

+ Vigi module or insulation monitoring module

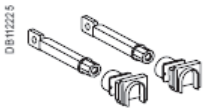
Description	3P	*Price (S$)*	4P	*Price (S$)*
ME type for CVS100/160 (200 to 440 V)	**LV429212**	*939.80*	**LV429213**	*939.80*
MH type for CVS100/160 (200 to 440 V)	**LV429210**	*939.80*	**LV429211**	*939.80*
MH type for CVS250 (200 to 440 V)	**LV431535**	*1,326.20*	**LV431536**	*1,326.20*

CVS100/160/250
Easypact and Vigi
Accessories

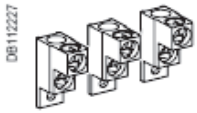
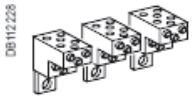
Unit price (excl. GST) in Singapore Dollars

Connection accessories (Cu or Al)

Rear connections

					Price (S$)
	Set of 2 short			**LV429235**	*77.70*
	Set of 2 long			**LV429236**	*111.30*

Bare cable connectors

	Steel connectors	1 x (1.5 to 95 mm²) ; ≤ 160 A	Set of 3	**LV429242**	*41.00*
			Set of 4	**LV429243**	*49.40*
	Aluminium connectors	1 x (25 to 95 mm²) ; ≤ 250 A	Set of 3	**LV429227**	*123.90*
			Set of 4	**LV429228**	*173.30*
		1 x (120 to 185 mm²) ; ≤ 250 A	Set of 3	**LV429259**	*123.90*
			Set of 4	**LV429260**	*148.10*
	Clips for connectors		Set of 10	**LV429241**	*22.50*
	Aluminium connectors for 2 cables (1)	2 x (50 to 120 mm²) ; ≤ 250 A	Set of 3	**LV429218**	*138.10*
			Set of 4	**LV429219**	*180.90*
	Aluminium connectors (1) for 6 cables	6 x (1.5 to 35 mm²) ; ≤ 250 A	Set of 3	**LV429248**	*225.80*
			Set of 4	**LV429249**	*300.70*
	6.35 mm voltage tap for steel or aluminium connectors		Set of 10	**LV429348**	*41.80*

Terminal extensions

	Edgewise terminal extensions (1)		Set of 3	**LV429308**	*53.50*
			Set of 4	**LV429309**	*70.70*
	Right-angle terminal extensions (1)		Set of 3	**LV429261**	*43.90*
			Set of 4	**LV429262**	*61.00*
	Straight terminal extensions (1)		Set of 3	**LV429263**	*43.90*
			Set of 4	**LV429264**	*58.90*
	Spreaders from 35 to 45 mm pitch (1)		3P	**LV431563**	*45.20*
			4P	**LV431564**	*59.90*

(1) *Supplied with 2 or 3 interphase barriers.*

Life Is On Schneider Electric

CVS100/160/250
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

Crimp lugs for copper cable (1)				*Price (S$)*
DB112237	For cable 120 mm²	Set of 3	**LV429252**	*85.90*
		Set of 4	**LV429256**	*119.20*
	For cable 150 mm²	Set of 3	**LV429253**	*100.00*
		Set of 4	**LV429257**	*142.50*
	For cable 185 mm²	Set of 3	**LV429254**	*124.30*
		Set of 4	**LV429258**	*166.70*
Crimp lugs for aluminium cable (1)				
DB112238	For cable 150 mm²	Set of 3	**LV429504**	*237.40*
		Set of 4	**LV429505**	*304.10*
	For cable 185 mm²	Set of 3	**LV429506**	*283.90*
		Set of 4	**LV429507**	*333.30*
Insulation accessories				
DB112239	1 short terminal shield for breaker	3P	**LV429515**	*20.60*
		4P	**LV429516**	*26.00*
DB112240	1 long terminal shield for breaker	3P	**LV429517**	*25.20*
		4P	**LV429518**	*31.50*
DB112241	Interphase barriers for breaker	Set of 6	**LV429329**	*27.30*
DB112242	2 insulating screens for breaker (45 mm pitch)	3P	**LV429330**	*49.40*
		4P	**LV429331**	*36.80*

(1) *Supplied with 2 or 3 interphase barriers.*

CVS100/160/250
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

B

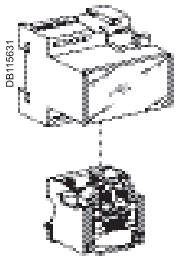
Electrical auxiliaries

Auxiliary contacts (changeover)

		Price (S$)
OF or SD or SDE or SDV	**29450**	*65.30*
OF or SD or SDE or SDV low level	**29452**	*104.10*
SDE adapter, mandatory for trip unit TM, MA	**LV429451**	*25.00*

Voltage releases

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	
AC	24 V 50/60 Hz	**LV429384**	*146.70*	**LV429404**	*204.90*
	48 V 50/60 Hz	**LV429385**	*146.70*	**LV429405**	*204.90*
	110-130 V 50/60 Hz	**LV429386**	*146.70*	**LV429406**	*204.90*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV429387**	*146.70*	**LV429407**	*204.90*
	380-415 V 50 Hz and 440-480 V 60 Hz	**LV429388**	*146.70*	**LV429408**	*204.90*
DC	12 V	**LV429382**	*146.70*	**LV429402**	*204.90*
	24 V	**LV429390**	*146.70*	**LV429410**	*204.90*
	30 V	**LV429391**	*146.70*	**LV429411**	*204.90*
	48 V	**LV429392**	*146.70*	**LV429412**	*204.90*
	60 V	**LV429383**	*146.70*	**LV429403**	*204.90*
	125 V	**LV429393**	*146.70*	**LV429413**	*204.90*
	250 V	**LV429394**	*146.70*	**LV429414**	*204.90*



MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**LV429426**	*307.90*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-240 V 50/60 Hz	**LV429427**	*284.00*

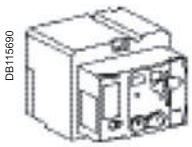
Life Is On Schneider Electric

CVS100/160/250
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

Motor mechanism

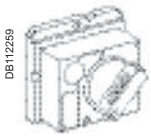
Motor mechanism module supplied with SDE adapter (Factory assembled only. Order separately is strictly prohibited.)


DB115690

	Voltage	MT100/160	Price (S$)	MT250	Price (S$)
AC	48-60 V 50/60 Hz	**LV429440**	*754.40*	**LV431548**	*1,004.80*
	110-130 V 50/60 Hz	**LV429433**	*754.40*	**LV431540**	*1,004.80*
	220-240 V 50/60 Hz and 208-277V 60Hz	**LV429434**	*754.40*	**LV431541**	*1,004.80*
	380-415 V 50/60 Hz and 440-480 V 60Hz	**LV429435**	*754.40*	**LV431542**	*1,004.80*
DC	24-30 V	**LV429436**	*878.50*	**LV431543**	*1,255.20*
	48-60 V	**LV429437**	*878.50*	**LV431544**	*1,255.20*
	110-130 V	**LV429438**	*878.50*	**LV431545**	*1,255.20*
	250 V	**LV429439**	*878.50*	**LV431546**	*1,255.20*

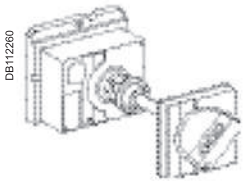
Rotary handles

Direct rotary handle


DB112259

		Price (S$)
With black handle	LV429337	*90.50*

Extended rotary handle


DB112260

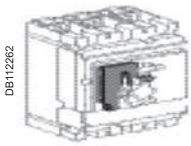
		Price (S$)
With black handle	LV429338	*149.40*

Locks

Toggle locking device for 1 to 3 padlocks

DB112261

		Price (S$)
By removable device	**29370**	*22.00*


DB112262

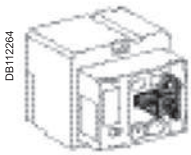
		Price (S$)
By fixed device	**29371**	*51.70*

Locking of rotary handle

DB112263

			Price (S$)
Keylock adapter (keylock not included)		**LV429344**	*30.80*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*

Locking of motor mechanism module


DB112264

		Price (S$)
Keylock adapter + Ronis keylock (special)	**LV429449**	*104.50*

CVS100/160/250
Easypact and Vigi
Accessories (cont.)

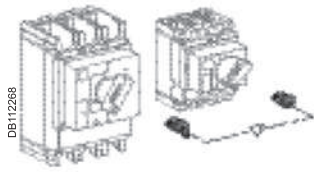
Unit price (excl. GST) in Singapore Dollars

Interlocking

Mechanical interlocking for circuit breakers

		Price (S$)
With toggles	**29354**	*309.10*
With rotary handles	**LV429369**	*387.20*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included)	for only one device	**LV429344**	*30.80*
1 set of 2 keylocks	Ronis 1351B.500	**41950**	*276.10*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	**42878**	*724.90*

Installation accessories

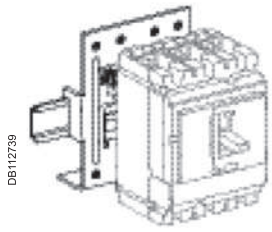
Front-panel escutcheons

		Price (S$)
IP40 toggle escutcheon (small cut-out)	**29315**	*24.50*
IP40 escutcheon for Rotary handle	**LV429317**	*110.00*
IP40 escutcheon for Vigi module	**LV429316**	*22.00*

Lead-sealing accessories

		Price (S$)
Bag of accessories	**LV429375**	*36.30*

Din rail adapter



		Price (S$)
1 adapter	**LV429305**	*181.50*

Spare parts

			Price (S$)
10 spare toggle extensions		**LV429313**	*42.90*
Bag of screws		**LV429312**	*19.80*
12 snap-in nuts (fixed/FC)	M6 for CVS100B/F	**LV510100**	*62.70*
	M8 for CVS160/250B/F	**LV516060**	*62.70*
1 set of 10 identification labels		**LV429226**	*48.90*

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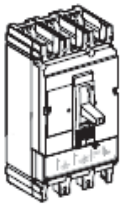
CVS400/630 :
Complete fixed/FC device
EasyPact CVS400/630 F/N (36/50kA 380/415V)

Unit price (excl. GST) in Singapore Dollars

EasyPact CVS400/630F

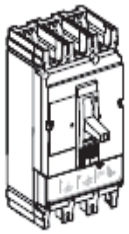
With TM-D thermal-magnetic trip unit



		Price (S$)		Price (S$)
EasyPact CVS400F (36 kA at 380/415V) with 52.5 mm pitch				
Rating	**3P** 3d		**4P** 3d	
TM320D	**LV540305SPDR**	*856.80*	**LV540308SPDR**	*1,120.00*
TM400D	**LV540306SPDR**	*856.80*	**LV540309SPDR**	*1,120.00*
EasyPact CVS630F (36 kA at 380/415V) with 70 mm pitch				
Rating	**3P** 3d		**4P** 3d	
TM500D	**LV563305SPDR**	*1,483.10*	**LV563308SPDR**	*2,031.80*
TM600D	**LV563306SPDR**	*1,483.10*	**LV563309SPDR**	*2,031.80*

EasyPact CVS400/630N

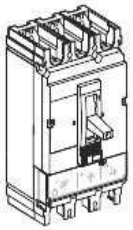
With TM-D thermal-magnetic trip unit



EasyPact CVS400N (50 kA at 380/415V) with 52.5 mm pitch				
Rating	**3P** 3d		**4P** 3d	
TM320D	**LV540315SPDR**	*887.40*	**LV540318SPDR**	*1,171.00*
TM400D	**LV540316SPDR**	*887.40*	**LV540319SPDR**	*1,171.00*
EasyPact CVS630N (50 kA at 380/415V) with 70 mm pitch				
Rating	**3P** 3d		**4P** 3d	
TM500D	**LV563315SPDR**	*1,534.10*	**LV563318SPDR**	*2,133.80*
TM600D	**LV563316SPDR**	*1,534.10*	**LV563319SPDR**	*2,133.80*

EasyPact CVS400/630F/N

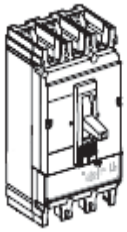
With ETS 2.3 electronic trip unit (LS_oI protection)



EasyPact CVS400/630F (36 kA at 380/415 V) with 52.5/70 mm pitch				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
CVS400F 400A	**LV540505SPDR**	*1,003.70*	**LV540506SPDR**	*1,313.80*
CVS630F 630A	**LV563505SPDR**	*1,738.10*	**LV563506SPDR**	*2,378.60*
EasyPact CVS400/630N (50 kA at 380/415 V) with 52.5/70 mm pitch				
Rating	**3P** 3d		**4P** 3d, 4d, 3d + N/2	
CVS400N 400A	**LV540510SPDR**	*1,040.40*	**LV540511SPDR**	*1,375.00*
CVS630N 630A	**LV563510SPDR**	*1,799.30*	**LV563511SPDR**	*2,501.00*

EasyPact CVS400/630F/N

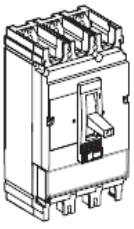
With MA thermal-magnetic trip unit



EasyPact CVS400F (36 kA at 380/415V) with 52.5 mm pitch		
Rating	**3P** 3d	*Price (S$)*
MA320	LV540550SPDR	*948.60*
EasyPact CVS400N (50 kA at 380/415V) with 52.5 mm pitch		
Rating	**3P** 3d	
MA320	LV540552SPDR	*979.20*
EasyPact CVS630F (36 kA at 380/415V) with 70 mm pitch		
Rating	**3P** 3d	
MA500	LV563550SPDR	*1,574.90*
EasyPact CVS630N (50 kA at 380/415V) with 70 mm pitch		
Rating	**3P** 3d	
MA500	LV563552SPDR	*1,625.90*

EasyPact CVS400/630 NA switch-disconnector

With NA switch-disconnector unit



EasyPact CVS400NA with 52.5 mm pitch				
Rating	**3P**	*Price (S$)*	**4P**	*Price (S$)*
400A	**LV540400SPDR**	*821.10*	**LV540401SPDR**	*1,072.00*
EasyPact CVS630NA with 70 mm pitch				
Rating	**3P**	*Price (S$)*	**4P**	*Price (S$)*
630A	**LV563400SPDR**	*1,419.80*	**LV563401SPDR**	*1,945.10*

CVS400/630
Easypact and Vigi
Add-on Vigi module

Unit price (excl. GST) in Singapore Dollars

B

+ Vigi module

+ Vigi module

		3P	*Price (S$)*	4P	*Price (S$)*
Type MB	200 to 440 V	**LV432455**	*1,580.30*	**LV432456**	*1,704.20*
Connection for	a 4P Vigi on a 3P breaker			**LV432457**	*244.70*

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CVS400/630
Easypact and Vigi
Accessories

Unit price (excl. GST) in Singapore Dollars

Connection accessories (Cu or Al)

Rear connections

				Price (S$)
DB111471	Set of 2 short		**LV432475**	*131.30*
	Set of 2 long		**LV432476**	*215.30*

Bare cable connectors (1)

DB115624	Aluminium connectors	1 x (35 to 300 mm²)	Set of 3	**LV432479**	*150.90*
			Set of 4	**LV432480**	*202.30*
DB115625	Aluminium connectors for 2 cables	2 x (35 to 240 mm²)	Set of 3	**LV432481**	*316.80*
			Set of 4	**LV432482**	*421.60*
DB112724	6.35 mm voltage tap for steel or aluminium connectors		Set of 10	**LV429348**	*41.80*

Terminal extensions *(1)*

DB115650	Edgewise terminal extensions	Set of 3	**LV432486**	*271.80*
		Set of 4	**LV432487**	*361.70*
DB115651	Right-angle terminal extensions	Set of 3	**LV432484**	*148.80*
		Set of 4	**LV432485**	*202.30*

Crimp lugs for copper cable (1)

DB112237	For cable 240 mm²	Set of 3	**LV432500**	*100.00*
		Set of 4	**LV432501**	*199.00*
	For cable 300 mm²	Set of 3	**LV432502**	*174.80*
		Set of 4	**LV432503**	*228.30*

Crimp lugs for aluminium cable (1)

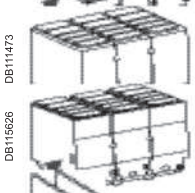
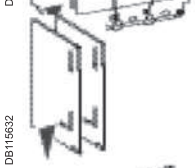
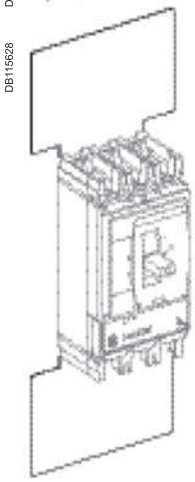
DB112238	For cable 240 mm²	Set of 3	**LV432504**	*299.00*
		Set of 4	**LV432505**	*379.80*
	For cable 300 mm²	Set of 3	**LV432506**	*488.90*
		Set of 4	**LV432507**	*649.50*

(1) *Supplied with 2 or 3 interphase barriers.*

CVS400/630
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

B

Insulation accessories			*Price (S$)*
DB111473	Short terminal shield, 45 mm (1 piece)	3P	**LV432591**	*26.00*
		4P	**LV432592**	*35.70*
 DB115626	Long terminal shield, 45 mm (1 piece)	3P	**LV432593**	*49.40*
		4P	**LV432594**	*69.30*
	Long terminal shield for spreaders, 52.5 mm (1 piece) (supplied with insulating plate)	3P	**LV432595**	*64.10*
		4P	**LV432596**	*73.50*
 DB115632	Interphase barriers	Set of 6	**LV432570**	*34.70*
 DB115628	2 insulating screens (70 mm pitch)	3P	**LV432578**	*63.00*
		4P	**LV432579**	*100.80*

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CVS400/630
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

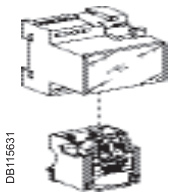
Electrical auxiliaries

Auxiliary contacts (changeover)

			Price (S$)
OF or SD or SDE or SDV		**29450**	*65.30*
OF or SD or SDE or SDV low level		**29452**	*104.10*
SDE adapter, mandatory for trip unit TM, MA and ETS2.3		**LV540050**	*25.00*

Voltage releases

	Voltage	MX (shunt)		MN (undervoltage)	
AC	24 V 50/60 Hz	**LV429384**	*146.70*	**LV429404**	*204.90*
	48 V 50/60 Hz	**LV429385**	*146.70*	**LV429405**	*204.90*
	110-130 V 50/60 Hz	**LV429386**	*146.70*	**LV429406**	*204.90*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV429387**	*146.70*	**LV429407**	*204.90*
	380-415 V 50 Hz and 440-480 V 60 Hz	**LV429388**	*146.70*	**LV429408**	*204.90*
DC	12 V	**LV429382**	*146.70*	**LV429402**	*204.90*
	24 V	**LV429390**	*146.70*	**LV429410**	*204.90*
	30 V	**LV429391**	*146.70*	**LV429411**	*204.90*
	48 V	**LV429392**	*146.70*	**LV429412**	*204.90*
	60 V	**LV429383**	*146.70*	**LV429403**	*204.90*
	125 V	**LV429393**	*146.70*	**LV429413**	*204.90*
	250 V	**LV429394**	*146.70*	**LV429414**	*204.90*

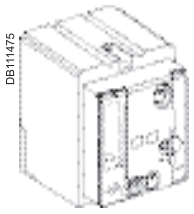


			Price (S$)
MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	**LV429412**	*204.90*
	Delay unit 48 V 50/60 Hz	**LV429426**	*307.90*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	**LV429414**	*204.90*
	Delay unit 220-240 V 50/60 Hz	**LV429427**	*284.00*

(1) Discount code is 12

Motor mechanism

Motor mechanism module (Factory assembled only. Order separately is strictly prohibited).



	Voltage	MT400-630	Price (S$)
AC	48-60 V 50/60 Hz	**LV432639**	*1,592.20*
	110-130 V 50/60 Hz	**LV432640**	*1,592.20*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	**LV432641**	*1,592.20*
	380-415 V 50 Hz	**LV432642**	*1,592.20*
	440-480 V 60 Hz	**LV432647**	*1,740.60*
DC	24-30 V	**LV432643**	*1,740.60*
	48-60 V	**LV432644**	*1,740.60*
	110-130 V	**LV432645**	*1,740.60*
	250 V	**LV432646**	*1,740.60*
Operation counter		**LV432648**	*363.00*

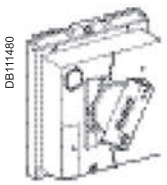
CVS400/630
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

B

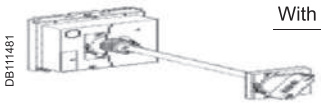
Rotary handles

Direct rotary handle


DB111480

		Price (S$)
With black handle	**LV432597**	*142.80*

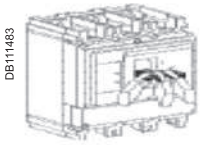
Extended rotary handle


DB111481

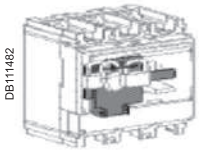
		Price (S$)
With black handle	**LV432598**	*220.20*

Locks

Toggle locking device for 1 to 3 padlocks


DB111483

		Price (S$)
By removable device	**29370**	*22.00*


DB111482

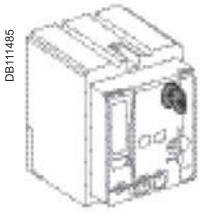
		Price (S$)
By fixed device	**LV432631**	*77.00*

Locking of rotary handle

DB111484

			Price (S$)
Keylock adapter (keylock not included)		**LV432604**	*51.70*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*

Locking of motor mechanism module


DB111485

			Price (S$)
Keylock adapter (keylock not included)		**LV432649**	*51.70*
Keylock (keylock adapter not included)	Ronis 1351B.500	**41940**	*124.30*
	Profalux KS5 B24 D4Z	**42888**	*361.90*

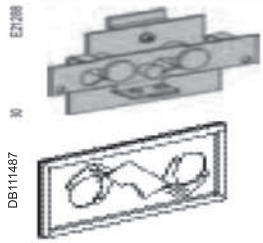
Life Is On Schneider Electric

CVS400/630
Easypact and Vigi
Accessories (cont.)

Unit price (excl. GST) in Singapore Dollars

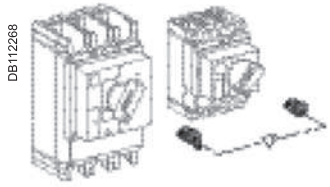
Interlocking

Mechanical interlocking for circuit breakers



		Price (S$)
With toggles	**32614**	*476.30*
With rotary handles	**LV432621**	*469.70*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included)	For only 1 device.	**LV432604**	*51.70*
1 set of 2 keylocks	Ronis 1351B.500	**41950**	*276.10*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	**42878**	*724.90*

Installation accessories

Front-panel escutcheons

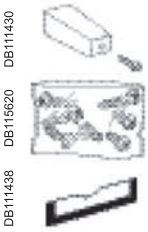
IP40

		Price (S$)
IP40 toggle escutcheon (small cut-out)	**32556**	*34.50*
IP40 escutcheon for all control types	**LV432558**	*77.00*
IP40 escutcheon for Vigi module	**LV429316**	*22.00*

Lead-sealing accessories

		Price (S$)
Bag of accessories	**LV429375**	*36.30*

Spare parts



		Price (S$)
5 spare toggle extensions	**LV432553**	*77.00*
Bag of screws	**LV432552**	*24.50*
1 set of 10 identification labels	**LV429226**	*48.90*

Source-changeover: price list

Source-changeover systems

Compact NSX100 to 630 C1
Circuit breakers and switch-disconnectors

Compact NS630b to NS1600 C2
Circuit breakers and switch-disconnectors

Masterpact NT
Circuit breakers and switch-disconnectors C3

Masterpact NW
Circuit breakers C4
Switch-disconnectors C5

C

Source-changeover systems for 2 devices

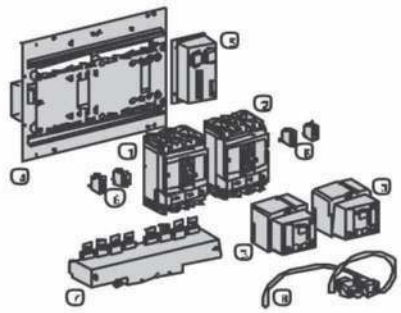
Compact NSX100 to 630

Unit price (excl. GST) in Singapore Dollars

Typical composition of source changeover for Compact NSX100 to 630

Remote controlled source changeover

E33422



Complete assembly consists of below components only:

1 normal device N (1) breaker
+ 1 replacement device R (2)
+ 2 remote controls (motor mechanism module (3) 220-240V/50Hz
+ 1 plate with interlocking (4) with IVE (5) and its wiring (8)
+ auxilary switches (6) 2 x (1 OF + 1 SDE) for Compact NSX100...630
+ Shunt trip for Compact NSX 100…630 220-240V/50Hz

IVE voltages and remote controls are identical.

Complete assembly *(1)*

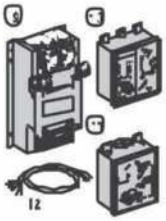
		NSX…F (36kA at 415Vac		NSX…N (50kA at 415Vac)		NSX…H (70kA at 415Vac)	
		3P 3d	4P 4d	3P 3d	4P 4d	3P 3d	4P 4d
100A	TM100D	*4,742.00*	*5,066.00*	*4,876.00*	*5,387.00*	*5,100.00*	*5,738.00*
160A	TM160D	*5,066.00*	*5,640.00*	*5,202.00*	*6,025.00*	*5,491.00*	*6,399.00*
250A	TM250D	*5,702.00*	*6,816.00*	*6,020.00*	*7,429.00*	*6,511.00*	*8,131.00*
400A	Micrologic 2.3	*8,777.00*	*10,227.00*	*9,261.00*	*11,403.00*	*10,178.00*	*12,763.00*
630A	Micrologic 2.3	*9,927.00*	*12,427.00*	*10,559.00*	*13,633.00*	*11,582.00*	*15,150.00*

		NA type	
		3P 3d	4P 4d
100A	100	*4,804.00*	*5,118.00*
160A	160	*5,118.00*	*5,673.00*
250A	250	*5,736.00*	*6,815.00*
400A	400	*8,830.00*	*10,200.00*
630A	630	*9,943.00*	*12,335.00*

(1) Others Compact NSX100 to 630 breakers, please consult our CustomerCare Centre or your respective Sales Office.

Associated control unit

E33423



1 source changeover without associated control unit
+ 1 ACP (9) with BA control unit (10)
Or + 1 ACP (9) with UA control unit (11)
Or + 1 ACP (9) with UA150 control unit (11)

Control unit option	220/240 V AC 50/60 Hz		380/415 V AC 50/60 Hz	
ACP + control unit BA *(2)*	**29470**	*3,003.90*	**29471**	*2,973.60*
ACP + control unit UA *(2)*	**29472**	*4,669.60*	**29473**	*4,622.50*

(2) The supply voltages BA/UA control unit, ACP plate, IVE and the remote control must be identical whatever the source changeover type.

Connection accessories

Downstream coupling accessories option

Source "normal"/source "replacement"		3P		4P	
NSX100...250/NSX100...250	250 A	**LV429358**	*762.40*	**LV429359**	*889.20*
NSX400...630/NSX400...630	630 A	**LV432619**	*999.70*	**LV432620**	*1,136.80*

Terminal shields

1 Short	**LV429516**	*26.00*	**LV432592**	*35.70*
1 Long	**LV429518**	*31.50*	**LV432594**	*69.30*
Long for 52.5 mm spreader			**LV432596**	*73.50*

Source-changeover systems for 2 devices (cont…)

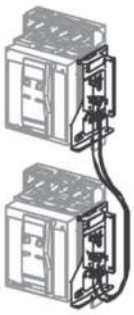
Compact NS630b to 1600

Unit price (excl. GST) in Singapore dollars

Typical composition of source changeover for Compact NS630b to 1600

Interlocking using cables for Compact motorise-operated devices

E72942



1 normal motorised breaker with Micrologic 2.0 control unit or switch-disconnector
+ 1 replacement motorised breaker with Micrologic 2.0 control unit or switch-disconnector
+ Interlocking using cables for Compact motorised devices
+ auxilary switches
2 x (1 OF + 1 SDE) for Compact NS630b…1600

Additional equipped for drawout:
+ connected position changeover contact (carriage switch) on each devices

Price includes motorised mechanism. Select the reference number from the respective devices.

Complete assembly *(1)*

		Fixed		Drawout	
		3P	4P	3P	4P
N Type 50kA at 220/415Vac					
With Compact NS630bN	630 - 630	*18,677.00*	*18,076.00*	*20,583.00*	*23,409.00*
With Compact NS800N	800 - 800	*18,677.00*	*18,521.00*	*20,880.00*	*23,854.00*
With Compact NS1000N	1000 - 1000	*18,677.00*	*23,209.00*	*23,854.00*	*28,316.00*
With Compact NS1250N	1250 - 1250	*18,677.00*	*27,020.00*	*26,547.00*	*32,354.00*
With Compact NS1600N	1600 - 1600	*18,677.00*	*36,962.00*	*33,174.00*	*42,295.00*
H Type 70kA at 220/415Vac					
With Compact NS630bH	630 - 630	*17,416.00*	*21,327.00*	*23,409.00*	*27,647.00*
With Compact NS800H	800 - 800	*18,097.00*	*22,346.00*	*25,045.00*	*30,100.00*
With Compact NS1000H	1000 - 1000	*23,209.00*	*30,007.00*	*28,528.00*	*35,326.00*
With Compact NS1250H	1250 - 1250	*27,020.00*	*35,730.00*	*32,354.00*	*41,064.00*
With Compact NS1600H	1600 - 1600	*36,962.00*	*50,643.00*	*42,295.00*	*55,976.00*
L Type 150kA at 220/415Vac					
With Compact NS630bL	630 - 630	*25,234.00*	-	-	-
With Compact NS800L	800 - 800	*26,594.00*	*35,092.00*	*31,927.00*	*40,425.00*
With Compact NS1000L	1000 - 1000	*36,805.00*	*50,401.00*	*42,124.00*	*55,720.00*
NA Type switch-disconnector					
With Compact NS630bNA	630 - 630	*12,221.00*	*15,048.00*	*17,555.00*	*20,381.00*
With Compact NS800NA	800 - 800	*12,518.00*	*17,736.00*	*17,851.00*	*25,288.00*
With Compact NS1000NA	1000 - 1000	*14,578.00*	*17,750.00*	*20,826.00*	*25,288.00*
With Compact NS1250NA	1250 - 1250	*16,348.00*	*20,412.00*	*21,681.00*	*25,745.00*
With Compact NS1600NA	1600 - 1600	*20,988.00*	*27,373.00*	*26,322.00*	*32,706.00*

(1) Others Compact NS630b to 1600 breakers, please consult our CustomerCare Centre or your respective Sales Office.

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Source-changeover systems for 2 devices (cont.)

Masterpact NT and switch-disconnectors

Unit price (excl. GST) in Singapore Dollars

Typical composition of source changeover for Masterpact NT

Interlocking using cables (*)

1 normal breaker with Micrologic 2.0A control unit or switch-disconnector
+ 1 replacement breaker with Micrologic 2.0A control unit or switch-disconnector
+ Interlocking using cables for Masterpact NT devices
+ auxilary switches
2 x (4 OF + 1 SDE) for each devices
+ Electrical operating mechanism with gear motor, shunt trip, closing coil and ready to close contact (MCH + MX + XF + PF) on each devices.
+ 2 x operating counter CDM (1 at each breaker/switch-disconnector)
Additional equipped for drawout:
+ chassis with safety shutters + arc chute cover + door frame
+ disconnected position locking (padlock excluded. VCPO standard)
+ connected and disconnected position changeover contact (carriage switch) on each devices

(*) Can be used with any combination of NT or NW, fixed or drawout devices.

Complete assembly

	In (A at 40°C)	Icu (kA @ 220/415V)	Icw (1sec)	Fixed 3P	Fixed 4P	Drawout 3P	Drawout 4P
Type H1							
NT06	630	42	42	*22,329.40*	*26,009.50*	*26,021.70*	*30,331.70*
NT08	800	42	42	*23,020.50*	*26,894.30*	*26,875.20*	*31,428.20*
NT10	1000	42	42	*23,852.40*	*27,958.60*	*27,926.00*	*32,744.90*
NT12	1250	42	42	*25,776.70*	*30,439.90*	*30,346.10*	*35,812.40*
NT16	1600	42	42	*27,173.60*	*31,902.80*	*30,757.80*	*38,005.50*

	In (A at 40°C)	Icm (kA @ 220/440V)	Icw (1sec)	Fixed 3P	Fixed 4P	Drawout 3P	Drawout 4P
Type HA							
NT06	630	75	36	*19,866.30*	*23,359.00*	*22,759.60*	*27,100.60*
NT08	800	75	36	*20,564.00*	*24,243.80*	*23,624.00*	*28,197.20*
NT10	1000	75	36	*21,403.80*	*25,308.10*	*24,663.80*	*29,513.80*
NT12	1250	75	36	*23,136.70*	*27,789.40*	*27,083.90*	*32,913.36*
NT16	1600	75	36	*24,523.20*	*29,559.10*	*27,791.40*	*35,128.80*

Source changeover associated controller

The automatic-control option includes:
- an IVE electrical-interlocking unit
- an ACP auxiliaries control plate
- a BA or UA controller, depending on the required functions
- a UA/BA adapter kit.

Note: *the circuit breaker auxiliaries (MCH, MX, XF) and the automatic-control components (IVE, ACP, UA or BA) must have the same voltages.*

IVE electrical-interlocking unit	**48/415 V AC 50/60 Hz**	
for 2 devices	**29352**	*1,274.00*
wiring kit for connection of 2 fixed/drawout devices to the IVE unit	**54655**	*530.40*

Control unit option *(1)*	**220/240 V AC 50/60 Hz**			**380/415 V AC 50/60 Hz**	
ACP + control unit BA	**29470**	*3,003.90*	*(2)*	**29471**	*2,973.60*
ACP + control unit UA	**29472**	*4,669.60*	*(2)*	**29473**	*4,622.50*

(1) The supply voltages of the BA/UA controller, ACP plate, IVE unit and circuit breaker operating mechanism must be identical whatever the type of source-changeover system.

Source-changeover systems for 2 devices (cont.)
Masterpact NW circuit breakers

Unit price (excl. GST) in Singapore Dollars

Typical composition of source changeover for Masterpact NW

Interlocking using cables (*)

1 normal Masterpact NW breaker with Micrologic 2.0A / E control unit
+ 1 replacement Masterpact NW breaker with Micrologic 2.0A / E control unit
Horizontal connections for both top and bottom (NW63 has vertial connection option only)
+ Interlocking using cables for Masterpact NW devices
+ auxilary switches 2 x (4 OF + 1 SDE) for each devices
+ Electrical operating mechanism with gear motor, shunt trip, closing coil and ready to close contact (MCH + MX + XF + PF) on each devices.
+ 2 x operating counter CDM (1 at each breaker)

Additional equipped for drawout:

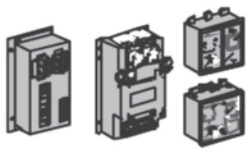
+ chassis with safety shutters + arc chute cover + door frame
+ disconnected position locking (padlock excluded VCPO standard)
+ connected and disconnected position changeover contact (carriage switch) on each devices

(*) Can be used with any combination of NT or NW, fixed or drawout devices.

Complete assembly

	In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3P	4P	3P	4P
Type N1								
NW08	800	42	42	22	*23,964.50*	*27,775.10*	*27,781.20*	*32,831.70*
NW10	1000	42	42	22	*24,841.20*	*28,883.80*	*28,863.60*	*34,215.00*
NW12	1250	42	42	22	*26,622.00*	*31,470.70*	*31,676.70*	*37,086.00*
NW16	1600	42	42	22	*28,065.90*	*33,316.40*	*32,124.90*	*39,372.00*
Type H1								
NW08	800	65	65	36	*24,113.40*	*29,828.90*	*27,962.90*	*34,229.20*
NW10	1000	65	65	36	*26,300.90*	*31,058.70*	*29,057.40*	*34,461.40*
NW12	1250	65	65	36	*27,670.10*	*33,604.00*	*31,606.00*	*37,726.80*
NW16	1600	65	65	36	*29,200.80*	*35,636.00*	*33,427.50*	*39,672.00*
NW20	2000	65	65	36	*30,207.30*	*39,702.00*	*36,712.00*	*44,290.00*
NW25	2500	65	65	65	*37,142.60*	*44,911.50*	*45,734.00*	*55,832.00*
NW32	3200	65	65	65	*41,896.00*	*52,013.90*	*51,457.50*	*61,934.00*
NW40	4000	65	65	65	*58,232.00*	*71,954.00*	*70,918.00*	*88,070.00*
NW40b	4000	100	100	100	*77,290.00*	*96,350.00*	*94,742.00*	*118,564.00*
NW50	5000	100	100	100	*118,130.00*	*148,624.00*	*145,790.00*	*183,908.00*
NW63	6300	100	100	100	*145,356.00*	*183,474.00*	*179,824.00*	*227,470.00*
Type H2								
NW08	800	100	85	50	*27,310.70*	*33,447.70*	*33,320.40*	*38,548.70*
NW10	1000	100	85	50	*29,299.80*	*34,895.60*	*32,462.20*	*40,275.30*
NW12	1250	100	85	50	*31,939.20*	*37,906.00*	*35,122.00*	*43,882.00*
NW16	1600	100	85	50	*33,825.30*	*40,298.00*	*37,244.00*	*44,968.00*
NW20	2000	100	85	75	*33,570.80*	*45,080.00*	*44,672.00*	*52,438.00*
NW25	2500	100	85	75	*41,256.00*	*50,224.00*	*50,642.30*	*60,908.00*
NW32	3200	100	85	75	*47,662.00*	*58,424.00*	*57,704.00*	*71,158.00*
NW40	4000	100	85	75	*66,880.00*	*83,024.00*	*81,728.00*	*101,908.00*
NW40b	4000	150	100	100	*89,302.00*	*111,724.00*	*109,756.00*	*140,401.90*
NW50	5000	150	100	100	*137,350.00*	*173,224.00*	*169,814.00*	*214,658.00*
NW63	6300	150	100	100	*169,380.00*	*214,224.00*	*209,854.00*	*265,908.00*

Source changeover associated controller



The automatic-control option includes:
- an IVE electrical-interlocking unit
- an ACP auxiliaries control plate
- a BA or UA controller, depending on the required functions
- a UA/BA adapter kit.

Note: *the circuit breaker auxiliaries (MCH, MX, XF) and the automatic-control components (IVE, ACP, UA or BA) must have the same voltages.*

IVE electrical-interlocking unit	**48/415 V AC 50/60 Hz**	
for 2 devices	**29352**	*1,274.00*
wiring kit for connection of 2 fixed/drawout devices to the IVE unit	**54655**	*530.40*

Control unit option *(1)*	**220/240 V AC 50/60 Hz**		**380/415 V AC 50/60 Hz**	
ACP + control unit BA	**29470**	*3,003.90*	**29471**	*2,973.60*
ACP + control unit UA	**29472**	*4,669.60*	**29473**	*4,622.50*

(1) The supply voltages of the BA/UA controller, ACP plate, IVE unit and circuit breaker operating mechanism must be identical whatever the type of source-changeover system.

Life Is On Schneider Electric

Source-changeover systems for 2 devices (cont.)

Masterpact switch-disconnectors

Unit price (excl. GST) in Singapore Dollars

Typical composition of source changeover for Masterpact NW

Interlocking using cables (*)

1 normal Masterpact NW switch-disconnector
+ 1 replacement Masterpact NW switch-disconnector
+ Interlocking using cables for Masterpact NW devices
+ auxilary switches
2 x (4 OF + 1 SDE) for each devices
+ Electrical operating mechanism with gear motor, shunt trip, closing coil and ready to close contact (MCH + MX + XF + PF) on each devices.
+ 2 x operating counter CDM (1 at each switch-disconnector)

Additional equipped for drawout:

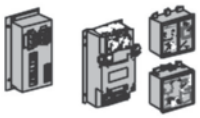
+ chassis with safety shutters + arc chute cover + door frame
+ disconnected position locking (padlock excluded VCPO standard)
+ connected and disconnected position changeover contact (carriage switch) on each devices

(*) Can be used with any combination of NT or NW, fixed or drawout devices.

Masterpact NW switch-disconnectors complete assembly

	In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3P	4P	3P	4P
Type NA								
NW08	800	88	42	-	*21,305.30*	*25,381.30*	*25,387.40*	*30,484.50*
NW10	1000	88	42	-	*22,181.60*	*26,258.50*	*26,238.30*	*31,880.50*
NW12	1250	88	42	-	*24,217.60*	*28,845.40*	*28,762.60*	*34,653.50*
NW16	1600	88	42	-	*25,674.80*	*30,691.20*	*29,499.70*	*36,950.60*
Type HA								
NW08	800	105	50	36	*21,462.90*	*27,465.20*	*25,581.30*	*31,603.90*
NW10	1000	105	50	36	*23,893.60*	*28,695.10*	*26,686.40*	*31,836.20*
NW12	1250	105	50	36	*25,285.70*	*31,305.10*	*29,259.40*	*35,101.60*
NW16	1600	105	50	36	*26,831.10*	*33,356.80*	*31,098.40*	*37,432.00*
NW20	2000	105	50	36	*27,569.20*	*37,462.30*	*34,443.20*	*41,609.10*
NW25	2500	135	55	55	*34,493.20*	*42,262.10*	*43,552.80*	*53,232.00*
NW32	3200	135	55	55	*39,677.60*	*48,444.00*	*48,363.10*	*59,334.00*
NW40	4000	135	55	55	*55,632.00*	*69,354.00*	*68,318.00*	*85,470.00*
NW40b	4000	187	85	85	*74,690.00*	*93,750.00*	*92,142.00*	*115,964.00*
NW50	5000	187	85	85	*115,530.00*	*146,024.00*	*143,190.00*	*181,308.00*
NW63	6300	187	85	85	*142,756.00*	*180,874.00*	*177,224.00*	*224,870.00*
Type HF								
NW08	800	187	85	75	*23,491.20*	*29,324.00*	*27,458.10*	*33,562.20*
NW10	1000	187	85	75	*25,920.10*	*30,553.80*	*28,552.60*	*33,793.30*
NW12	1250	187	85	75	*27,295.90*	*33,361.20*	*31,041.30*	*36,792.50*
NW16	1600	187	85	75	*28,696.00*	*35,306.60*	*32,764.30*	*39,172.00*
NW20	2000	187	85	75	*29,427.00*	*39,202.00*	*36,212.00*	*43,790.00*
NW25	2500	187	85	75	*35,950.00*	*43,574.00*	*45,234.00*	*55,332.00*
NW32	3200	187	85	75	*41,396.00*	*50,544.00*	*48,522.00*	*61,434.00*
NW40	4000	187	85	75	*57,732.00*	*71,454.00*	*70,418.00*	*87,570.00*

Source changeover associated controller



The automatic-control option includes:

- an IVE electrical-interlocking unit
- an ACP auxiliaries control plate
- a BA or UA controller, depending on the required functions
- a UA/BA adapter kit.

Note: *the circuit breaker auxiliaries (MCH, MX, XF) and the automatic-control components (IVE, ACP, UA or BA) must have the same voltages.*

IVE electrical-interlocking unit	**48/415 V AC 50/60 Hz**	
for 2 devices	**29352**	*1,274.00*
wiring kit for connection of 2 fixed/drawout devices to the IVE unit	**54655**	*530.40*

Control unit option *(1)*	**220/240 V AC 50/60 Hz**		**380/415 V AC 50/60 Hz**	
ACP + control unit BA *(1)(2)*	**29470**	*3,003.90*	**29471**	*2,973.60*
ACP + control unit UA *(1)(2)*	**29472**	*4,669.60*	**29473**	*4,622.50*

(1) The supply voltages of the BA/UA controller, ACP plate, IVE unit and circuit breaker operating mechanism must be identical whatever the type of source-changeover system.

Final Distribution

Circuit protection

Acti 9/ Multi9

iC60N circuit breakers D1
iC60H circuit breakers D3
iC60L circuit breakers D5
iC60L circuit breakers (instantaneous circuit breakers) D7

K60N circuit breakers D8
K60H circuit breakers D9
C60H-DC circuit breakers D10
C120N circuit breakers D11
C120H circuit breakers D12
NG125N,H circuit breakers D13
NG125L,MA circuit breakers D14

Earth leakage protection

iID residual current circuit breakers (RCCB) D15
iDPN N Vigi residual current devices (RCBO) D16
Vigi iC60 add-on residual current devices D17
Vigi C120 add-on residual current devices (type AC, A and Asi type) D18

Monitoring & Control of Protection

Acti 9 Smartlink D19
ARA automatic reclosers D20
RCA remote controls D21
Reflex iC60N/H and iMDU electrical auxiliary for Reflex iC60 D22
iCT contactors D24
iTL impulse relays, iTLc, iTLs with built-in auxiliary function D25

Overvoltage protection (Surge arrester)

PRD/ PF Surge arresters D26

Auxiliaries and Accessories

Electrical auxiliaries for iC60, iID, RCA and ARA D27
Electrical auxiliaries for C120 and C60H-DC device D28
Electrical auxiliaries and accessories for NG125 D29
Accessories for iC60, iID, reflex iC60, RCA and ARA D30
Accessories for C120, C60H-DC and iSW D31
Connection isobar D32
Connection comb busbars for iC60, iID, C120, C60H-DC D33
Isolatable fuse-carriers without fuse D34

Local control and indication

iSW switches D35
iPB pushbuttons D37
iIL indicator lights D38
RT time delay relays (remote control) D39

Control components

IHP programmable and IH mechanical time switches D40
IC light sensitive switches and accessories D41
MIN Timer and accessories D41

PK plugs and sockets

Low voltage D42

iC60N circuit breakers (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service breaking capacity (Ics)**
		Voltage (Ue)				
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	
Ph/N (1P, 1P+N)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	
Rating (In)	0.5 to 4 A	50 kA	50 kA	50 kA	25 kA	100 % of Icu
	6 to 63 A	36 kA	20 kA	10 kA	6 kA	75 % of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 63 A	6000 A				

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
1P	1	**A9F73101**	*37.70*	**A9F74101**	*31.10*	**A9F75101**	*47.30*
	2	**A9F73102**	*37.70*	**A9F74102**	*31.10*	**A9F75102**	*47.30*
	3	**A9F73103**	*37.70*	**A9F74103**	*31.10*	**A9F75103**	*47.30*
	4	**A9F73104**	*37.70*	**A9F74104**	*31.10*	**A9F75104**	*47.30*
	6	**A9F73106**	*6.70*	**A9F74106**	*6.70*	**A9F75106**	*10.50*
	10	**A9F73110**	*6.70*	**A9F74110**	*6.70*	**A9F75110**	*10.50*
	16	**A9F73116**	*6.70*	**A9F74116**	*6.70*	**A9F75116**	*10.50*
	20	**A9F73120**	*6.70*	**A9F74120**	*6.70*	**A9F75120**	*10.50*
	25	**A9F73125**	*7.80*	**A9F74125**	*7.80*	**A9F75125**	*12.00*
	32	**A9F73132**	*6.70*	**A9F74132**	*6.70*	**A9F75132**	*10.50*
	40	**A9F73140**	*6.70*	**A9F74140**	*6.70*	**A9F75140**	*10.50*
	50	**A9F73150**	*22.70*	**A9F74150**	*22.70*	**A9F75150**	*34.70*
	63	**A9F73163**	*22.70*	**A9F74163**	*22.70*	**A9F75163**	*34.70*
2P	1	**A9F73201**	*81.60*	**A9F74201**	*67.20*	**A9F75201**	*105.00*
	2	**A9F73202**	*81.60*	**A9F74202**	*67.20*	**A9F75202**	*105.00*
	3	**A9F73203**	*81.60*	**A9F74203**	*67.20*	**A9F75203**	*105.00*
	4	**A9F73204**	*81.60*	**A9F74204**	*67.20*	**A9F75204**	*105.00*
	6	**A9F73206**	*30.20*	**A9F74206**	*30.20*	**A9F75206**	*42.00*
	10	**A9F73210**	*30.20*	**A9F74210**	*30.20*	**A9F75210**	*42.00*
	16	**A9F73216**	*30.20*	**A9F74216**	*30.20*	**A9F75216**	*42.00*
	20	**A9F73220**	*30.20*	**A9F74220**	*30.20*	**A9F75220**	*42.00*
	25	**A9F73225**	*30.20*	**A9F74225**	*30.20*	**A9F75225**	*42.00*
	32	**A9F73232**	*30.20*	**A9F74232**	*30.20*	**A9F75232**	*42.00*
	40	**A9F73240**	*30.20*	**A9F74240**	*30.20*	**A9F75240**	*42.00*
	50	**A9F73250**	*47.00*	**A9F74250**	*47.00*	**A9F75250**	*62.00*
	63	**A9F73263**	*47.00*	**A9F74263**	*47.00*	**A9F75263**	*62.00*

iC60N circuit breakers (curve B, C, D) (Cont.)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service breaking capacity (Ics)**
		Voltage (Ue)				
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	
Ph/N (1P, 1P+N)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	
Rating (In)	0.5 to 4 A	50 kA	50 kA	50 kA	25 kA	100 % of Icu
	6 to 63 A	36 kA	20 kA	10 kA	6 kA	75 % of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 63 A	6000 A				

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
3P	1	**A9F73301**	*109.10*	**A9F74301**	*89.90*	**A9F75301**	*151.20*
	2	**A9F73302**	*109.10*	**A9F74302**	*89.90*	**A9F75302**	*151.20*
	3	**A9F73303**	*109.10*	**A9F74303**	*89.90*	**A9F75303**	*151.20*
	4	**A9F73304**	*109.10*	**A9F74304**	*89.90*	**A9F75304**	*151.20*
	6	**A9F73306**	*47.00*	**A9F74306**	*47.00*	**A9F75306**	*70.40*
	10	**A9F73310**	*47.00*	**A9F74310**	*47.00*	**A9F75310**	*70.40*
	16	**A9F73316**	*47.00*	**A9F74316**	*47.00*	**A9F75316**	*70.40*
	20	**A9F73320**	*47.00*	**A9F74320**	*47.00*	**A9F75320**	*70.40*
	25	**A9F73325**	*47.00*	**A9F74325**	*47.00*	**A9F75325**	*70.40*
	32	**A9F73332**	*47.00*	**A9F74332**	*47.00*	**A9F75332**	*70.40*
	40	**A9F73340**	*47.00*	**A9F74340**	*47.00*	**A9F75340**	*70.40*
	50	**A9F73350**	*78.10*	**A9F74350**	*78.10*	**A9F75350**	*120.80*
	63	**A9F73363**	*78.10*	**A9F74363**	*78.10*	**A9F75363**	*120.80*
4P	1	**A9F73401**	*169.40*	**A9F74401**	*139.40*	**A9F75401**	*181.50*
	2	**A9F73402**	*169.40*	**A9F74402**	*139.40*	**A9F75402**	*181.50*
	3	**A9F73403**	*169.40*	**A9F74403**	*139.40*	**A9F75403**	*181.50*
	4	**A9F73404**	*169.40*	**A9F74404**	*139.40*	**A9F75404**	*181.50*
	6	**A9F73406**	*111.70*	**A9F74406**	*111.70*	**A9F75406**	*151.20*
	10	**A9F73410**	*111.70*	**A9F74410**	*111.70*	**A9F75410**	*151.20*
	16	**A9F73416**	*111.70*	**A9F74416**	*111.70*	**A9F75416**	*151.20*
	20	**A9F73420**	*111.70*	**A9F74420**	*111.70*	**A9F75420**	*151.20*
	25	**A9F73425**	*111.70*	**A9F74425**	*111.70*	**A9F75425**	*151.20*
	32	**A9F73432**	*111.70*	**A9F74432**	*111.70*	**A9F75432**	*151.20*
	40	**A9F73440**	*111.70*	**A9F74440**	*111.70*	**A9F75440**	*151.20*
	50	**A9F73450**	*126.00*	**A9F74450**	*126.00*	**A9F75450**	*162.80*
	63	**A9F73463**	*126.00*	**A9F74463**	*126.00*	**A9F75463**	*162.80*

Life Is On Schneider Electric

iC60H circuit breakers (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service breaking capacity (Ics)**
		Voltage (Ue)				
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	
Ph/N (1P, 1P+N)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	
Rating (In)	0.5 to 4 A	70 kA	70 kA	70 kA	50 kA	100% of Icu
	6 to 63 A	42 kA	30 kA	15 kA	10 kA	50% of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 63 A	10000 A				

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
1P	1	**A9F83101**	*43.90*	**A9F84101**	*37.40*	**A9F85101**	*51.70*
	2	**A9F83102**	*43.90*	**A9F84102**	*37.40*	**A9F85102**	*51.70*
	3	**A9F83103**	*43.90*	**A9F84103**	*37.40*	**A9F85103**	*51.70*
	4	**A9F83104**	*43.90*	**A9F84104**	*37.40*	**A9F85104**	*51.70*
	6	**A9F83106**	*10.30*	**A9F84106**	*10.30*	**A9F85106**	*17.90*
	10	**A9F83110**	*10.30*	**A9F84110**	*10.30*	**A9F85110**	*17.90*
	16	**A9F83116**	*10.30*	**A9F84116**	*10.30*	**A9F85116**	*17.90*
	20	**A9F83120**	*10.30*	**A9F84120**	*10.30*	**A9F85120**	*17.90*
	25	**A9F83125**	*11.40*	**A9F84125**	*11.40*	**A9F85125**	*19.69*
	32	**A9F83132**	*10.80*	**A9F84132**	*10.80*	**A9F85132**	*17.90*
	40	**A9F83140**	*10.80*	**A9F84140**	*10.80*	**A9F85140**	*17.90*
	50	**A9F83150**	*28.10*	**A9F84150**	*28.10*	**A9F85150**	*35.70*
	63	**A9F83163**	*28.10*	**A9F84163**	*28.10*	**A9F85163**	*35.70*
2P	1	**A9F83201**	*94.90*	**A9F84201**	*80.90*	**A9F85201**	*109.20*
	2	**A9F83202**	*94.90*	**A9F84202**	*80.90*	**A9F85202**	*109.20*
	3	**A9F83203**	*94.90*	**A9F84203**	*80.90*	**A9F85203**	*109.20*
	4	**A9F83204**	*94.90*	**A9F84204**	*80.90*	**A9F85204**	*109.20*
	6	**A9F83206**	*33.10*	**A9F84206**	*33.10*	**A9F85206**	*47.30*
	10	**A9F83210**	*33.10*	**A9F84210**	*33.10*	**A9F85210**	*47.30*
	16	**A9F83216**	*33.10*	**A9F84216**	*33.10*	**A9F85216**	*47.30*
	20	**A9F83220**	*33.10*	**A9F84220**	*33.10*	**A9F85220**	*47.30*
	25	**A9F83225**	*33.10*	**A9F84225**	*33.10*	**A9F85225**	*47.30*
	32	**A9F83232**	*33.10*	**A9F84232**	*33.10*	**A9F85232**	*47.30*
	40	**A9F83240**	*33.10*	**A9F84240**	*33.10*	**A9F85240**	*47.30*
	50	**A9F83250**	*50.50*	**A9F84250**	*50.50*	**A9F85250**	*93.50*
	63	**A9F83263**	*50.50*	**A9F84263**	*50.50*	**A9F85263**	*93.50*

iC60H circuit breakers (curve B, C, D) (Cont.)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service breaking capacity (Ics)**
		Voltage (Ue)				
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	
Ph/N (1P, 1P+N)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	
Rating (In)	0.5 to 4 A	70 kA	70 kA	70 kA	50 kA	100% of Icu
	6 to 63 A	42 kA	30 kA	15 kA	10 kA	50% of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 63 A	10000 A				

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
3P	1	**A9F83301**	*147.40*	**A9F84301**	*125.30*	**A9F85301**	*153.30*
	2	**A9F83302**	*147.40*	**A9F84302**	*125.30*	**A9F85302**	*153.30*
	3	**A9F83303**	*147.40*	**A9F84303**	*125.30*	**A9F85303**	*153.30*
	4	**A9F83304**	*147.40*	**A9F84304**	*125.30*	**A9F85304**	*153.30*
	6	**A9F83306**	*50.50*	**A9F84306**	*50.50*	**A9F85306**	*72.50*
	10	**A9F83310**	*50.50*	**A9F84310**	*50.50*	**A9F85310**	*72.50*
	16	**A9F83316**	*50.50*	**A9F84316**	*50.50*	**A9F85316**	*72.50*
	20	**A9F83320**	*50.50*	**A9F84320**	*50.50*	**A9F85320**	*72.50*
	25	**A9F83325**	*50.50*	**A9F84325**	*50.50*	**A9F85325**	*72.50*
	32	**A9F83332**	*50.50*	**A9F84332**	*50.50*	**A9F85332**	*72.50*
	40	**A9F83340**	*50.50*	**A9F84340**	*50.50*	**A9F85340**	*72.50*
	50	**A9F83350**	*87.00*	**A9F84350**	*87.00*	**A9F85350**	*116.60*
	63	**A9F83363**	*87.00*	**A9F84363**	*87.00*	**A9F85363**	*116.60*
4P	1	**A9F83401**	*180.40*	**A9F84401**	*180.40*	**A9F85401**	*191.40*
	2	**A9F83402**	*180.40*	**A9F84402**	*180.40*	**A9F85402**	*191.40*
	3	**A9F83403**	*180.40*	**A9F84403**	*180.40*	**A9F85403**	*191.40*
	4	**A9F83404**	*180.40*	**A9F84404**	*180.40*	**A9F85404**	*191.40*
	6	**A9F83406**	*125.30*	**A9F84406**	*125.30*	**A9F85406**	*155.40*
	10	**A9F83410**	*125.30*	**A9F84410**	*125.30*	**A9F85410**	*155.40*
	16	**A9F83416**	*125.30*	**A9F84416**	*125.30*	**A9F85416**	*155.40*
	20	**A9F83420**	*125.30*	**A9F84420**	*125.30*	**A9F85420**	*155.40*
	25	**A9F83425**	*125.30*	**A9F84425**	*125.30*	**A9F85425**	*155.40*
	32	**A9F83432**	*125.30*	**A9F84432**	*125.30*	**A9F85432**	*155.40*
	40	**A9F83440**	*125.30*	**A9F84440**	*125.30*	**A9F85440**	*155.40*
	50	**A9F83450**	*169.30*	**A9F84450**	*169.30*	**A9F85450**	*190.90*
	63	**A9F83463**	*169.30*	**A9F84463**	*169.30*	**A9F85463**	*190.90*

Life Is On Schneider Electric

iC60L circuit breakers (curve B, C, K)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1 up to 40 A

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service**
		Voltage (Ue)				**breaking**
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	**capacity**
Ph/N (1P)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	**(Ics)**
Rating (In)	0.5 to 4 A	100 kA	100 kA	100 kA	70 kA	100% of Icu
	6 to 25 A	70 kA	50 kA	25 kA	20 kA	50% of Icu (1)
	32 / 40 A	70 kA	36 kA	20 kA	15 kA	50% of Icu
	50 / 63 A	70 kA	30 kA	15 kA	10 kA	50% of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 40 A	15000 A				

	Rating	B curve		C curve		K curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
1P	1	**A9F93101**	*57.80*	**A9F94101**	*57.80*	**A9F95101**	*67.80*
	2	**A9F93102**	*57.80*	**A9F94102**	*57.80*	**A9F95102**	*67.80*
	3	**A9F93103**	*57.80*	**A9F94103**	*57.80*	**A9F95103**	*67.80*
	4	**A9F93104**	*57.80*	**A9F94104**	*57.80*	**A9F95104**	*67.80*
	6	**A9F93106**	*14.90*	**A9F94106**	*14.90*	**A9F95106**	*23.30*
	10	**A9F93110**	*14.90*	**A9F94110**	*14.90*	**A9F95110**	*23.30*
	16	**A9F93116**	*14.90*	**A9F94116**	*14.90*	**A9F95116**	*23.30*
	20	**A9F93120**	*14.90*	**A9F94120**	*14.90*	**A9F95120**	*23.30*
	25	**A9F93125**	*23.70*	**A9F94125**	*23.70*	**A9F95125**	*23.70*
	32	**A9F93132**	*29.60*	**A9F94132**	*29.60*	**A9F95132**	*46.20*
	40	**A9F93140**	*29.60*	**A9F94140**	*29.60*	**A9F95140**	*46.20*
	50	**A9F93150**	*42.20*	**A9F94150**	*42.20*	**A9F95150**	*46.70*
	63	**A9F93163**	*42.20*	**A9F94163**	*42.20*	**A9F95163**	*46.70*
2P	1	**A9F93201**	*133.30*	**A9F94201**	*133.30*	**A9F95201**	*144.40*
	2	**A9F93202**	*133.30*	**A9F94202**	*133.30*	**A9F95202**	*144.40*
	3	**A9F93203**	*133.30*	**A9F94203**	*133.30*	**A9F95203**	*144.40*
	4	**A9F93204**	*133.30*	**A9F94204**	*133.30*	**A9F95204**	*144.40*
	6	**A9F93206**	*50.30*	**A9F94206**	*50.30*	**A9F95206**	*55.50*
	10	**A9F93210**	*50.30*	**A9F94210**	*50.30*	**A9F95210**	*55.50*
	16	**A9F93216**	*50.30*	**A9F94216**	*50.30*	**A9F95216**	*55.50*
	20	**A9F93220**	*50.30*	**A9F94220**	*50.30*	**A9F95220**	*55.60*
	25	**A9F93225**	*50.30*	**A9F94225**	*50.30*	**A9F95225**	*55.60*
	32	**A9F93232**	*50.30*	**A9F94232**	*50.30*	**A9F95232**	*55.60*
	40	**A9F93240**	*50.30*	**A9F94240**	*50.30*	**A9F95240**	*55.60*
	50	**A9F93250**	*77.10*	**A9F94250**	*77.10*	**A9F95250**	*123.30*
	63	**A9F93263**	*77.10*	**A9F94263**	*77.10*	**A9F95263**	*123.30*

(1) 100% of Icu for ratings 6 to 25 A under Ue100 to 133 V AC Ph/Ph and Ue 12 to 60 V AC Ph/ N.

D

iC60L circuit breakers (curve B, C, K) (Cont.)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2
IEC/EN 60898-1 up to 40 A

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						**Service**
		Voltage (Ue)				**breaking**
Ph/Ph (2P, 3P, 4P)		**12 to 133 V**	**220 to 240 V**	**380 to 415 V**	**440 V**	**capacity**
Ph/N (1P)		**12 to 60 V**	**100 to 133 V**	**220 to 240 V**	**-**	**(Ics)**
Rating (In)	0.5 to 4 A	100 kA	100 kA	100 kA	70 kA	100% of Icu
	6 to 25 A	70 kA	50 kA	25 kA	20 kA	50% of Icu (1)
	32 / 40 A	70 kA	36 kA	20 kA	15 kA	50% of Icu
	50 / 63 A	70 kA	30 kA	15 kA	10 kA	50% of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
		Voltage (Ue)				
Ph/Ph		**400V**				
Ph/N		**230V**				
Rating (In)	0.5 to 40 A	15000 A				

	Rating	B curve		C curve		K curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
3P	1	**A9F93301**	*191.10*	**A9F94301**	*191.10*	**A9F95301**	*202.20*
	2	**A9F93302**	*191.10*	**A9F94302**	*191.10*	**A9F95302**	*202.20*
	3	**A9F93303**	*191.10*	**A9F94303**	*191.10*	**A9F95303**	*202.20*
	4	**A9F93304**	*191.10*	**A9F94304**	*191.10*	**A9F95304**	*202.20*
	6	**A9F93306**	*77.10*	**A9F94306**	*77.10*	**A9F95306**	*92.20*
	10	**A9F93310**	*77.10*	**A9F94310**	*77.10*	**A9F95310**	*92.20*
	16	**A9F93316**	*77.10*	**A9F94316**	*77.10*	**A9F95316**	*92.20*
	20	**A9F93320**	*77.10*	**A9F94320**	*77.10*	**A9F95320**	*92.20*
	25	**A9F93325**	*77.10*	**A9F94325**	*77.10*	**A9F95325**	*92.20*
	32	**A9F93332**	*77.10*	**A9F94332**	*77.10*	**A9F95332**	*92.20*
	40	**A9F93340**	*77.10*	**A9F94340**	*77.10*	**A9F95340**	*92.20*
	50	**A9F93350**	*133.80*	**A9F94350**	*133.80*	**A9F95350**	*153.30*
	63	**A9F93363**	*133.80*	**A9F94363**	*133.80*	**A9F95363**	*153.30*
4P	1	**A9F93401**	*244.40*	**A9F94401**	*236.60*	**A9F95401**	*245.50*
	2	**A9F93402**	*244.40*	**A9F94402**	*236.60*	**A9F95402**	*245.50*
	3	**A9F93403**	*244.40*	**A9F94403**	*236.60*	**A9F95403**	*245.50*
	4	**A9F93404**	*244.40*	**A9F94404**	*236.60*	**A9F95404**	*245.50*
	6	**A9F93406**	*191.10*	**A9F94406**	*191.10*	**A9F95406**	*202.20*
	10	**A9F93410**	*191.10*	**A9F94410**	*191.10*	**A9F95410**	*202.20*
	16	**A9F93416**	*191.10*	**A9F94416**	*191.10*	**A9F95416**	*202.20*
	20	**A9F93420**	*191.10*	**A9F94420**	*191.10*	**A9F95420**	*202.20*
	25	**A9F93425**	*191.10*	**A9F94425**	*191.10*	**A9F95425**	*202.20*
	32	**A9F93432**	*191.10*	**A9F94432**	*191.10*	**A9F95432**	*202.20*
	40	**A9F93440**	*191.10*	**A9F94440**	*191.10*	**A9F95440**	*202.20*
	50	**A9F93450**	*222.70*	**A9F94450**	*222.70*	**A9F95450**	*242.20*
	63	**A9F93463**	*222.70*	**A9F94463**	*222.70*	**A9F95463**	*242.20*

(1) 100% of Icu for ratings 6 to 25 A under Ue100 to 133 V AC Ph/Ph and Ue 12 to 60 V AC Ph/ N.

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iC60L circuit breakers
instantaneous circuit breakers (curve MA)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2

Alternating current (AC) 50/60 Hz				
Breaking capacity (Icu) according to IEC/EN 60947-2				**Service breaking capacity (Ics)**
		Voltage (Ue)		
Ph/Ph (2P, 3P)		**220 to 240 V**	**380 to 415 V**	
Rating (In)	1.6 to 16 A	40 kA	20 kA	50% of Icu
	25 to 40 A	30 kA	15 kA	50% of Icu

Pole	Rating (A)	MA Curve Reference	*Price(S$)*
2P	1.6	**A9F90272**	*142.20*
	2.5	**A9F90273**	*142.20*
	4	**A9F90204**	*142.20*
	6.3	**A9F90276**	*142.20*
	10	**A9F90210**	*142.20*
	12.5	**A9F90282**	*142.20*
	16	**A9F90216**	*142.20*
	25	**A9F90225**	*142.20*
	40	**A9F90240**	*142.20*
3P	1.6	**A9F90372**	*190.00*
	2.5	**A9F90373**	*190.00*
	4	**A9F90304**	*190.00*
	6.3	**A9F90376**	*190.00*
	10	**A9F90310**	*190.00*
	12.5	**A9F90382**	*190.00*
	16	**A9F90316**	*190.00*
	25	**A9F90325**	*190.00*
	40	**A9F90340**	*190.00*

K60N circuit breakers

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60898-1

Alternating current (AC) 50/60 Hz

Breaking capacity (Icn) according to IEC/EN 60898-1		Service breaking capacity (Ics)
	Voltage (Ue)	
Ph/Ph	**400 V**	100% of Icn
Ph/N	**230 V**	
Rating (In) 6 to 63 A	6000 A	

K60N circuit breakers (B curve)

Pole	Rating (A)	B curve Reference	*Price(S$)*	Pole	Rating (A)	B curve Reference	*Price(S$)*
1P	6	**A9K01106**	*5.10*	**3P**	6	**A9K01306**	*31.90*
	10	**A9K01110**	*5.10*		10	**A9K01310**	*31.80*
	16	**A9K01116**	*5.10*		16	**A9K01316**	*31.90*
	20	**A9K01120**	*5.10*		20	**A9K01320**	*31.90*
	32	**A9K01132**	*5.10*		32	**A9K01332**	*31.90*
	40	**A9K01140**	*5.10*		40	**A9K01340**	*31.90*
	50	**A9K01150**	*15.00*		50	**A9K01350**	*64.00*
	63	**A9K01163**	*15.00*		63	**A9K01363**	*64.00*
2P	6	**A9K01206**	*21.50*	**4P**	6	**A9K01406**	*60.00*
	10	**A9K01210**	*21.50*		10	**A9K01410**	*60.00*
	16	**A9K01216**	*21.50*		16	**A9K01416**	*60.00*
	20	**A9K01220**	*21.50*		20	**A9K01420**	*60.00*
	32	**A9K01232**	*21.50*		32	**A9K01432**	*60.00*
	40	**A9K01240**	*21.50*		40	**A9K01440**	*60.00*
	50	**A9K01250**	*40.00*		50	**A9K01450**	*90.00*
	63	**A9K01263**	*40.00*		63	**A9K01463**	*90.00*

IEC/EN 61008-1

K60N circuit breakers (C curve)

Pole	Rating (A)	C curve Reference	*Price(S$)*	Pole	Rating (A)	C curve Reference	*Price(S$)*
1P	6	**A9K02106**	*5.10*	**3P**	6	**A9K02306**	*31.90*
	10	**A9K02110**	*5.10*		10	**A9K02310**	*31.90*
	16	**A9K02116**	*5.10*		16	**A9K02316**	*31.90*
	20	**A9K02120**	*5.10*		20	**A9K02320**	*31.90*
	32	**A9K02132**	*5.10*		32	**A9K02332**	*31.90*
	40	**A9K02140**	*5.10*		40	**A9K02340**	*31.90*
	50	**A9K02150**	*15.00*		50	**A9K02350**	*64.00*
	63	**A9K02163**	*15.00*		63	**A9K02363**	*64.00*
2P	6	**A9K02206**	*21.50*	**4P**	6	**A9K02406**	*60.00*
	10	**A9K02210**	*21.50*		10	**A9K02410**	*60.00*
	16	**A9K02216**	*21.50*		16	**A9K02416**	*60.00*
	20	**A9K02220**	*21.50*		20	**A9K02420**	*60.00*
	32	**A9K02232**	*21.50*		32	**A9K02432**	*60.00*
	40	**A9K02240**	*21.50*		40	**A9K02440**	*60.00*
	50	**A9K02250**	*40.00*		50	**A9K02450**	*90.00*
	63	**A9K02263**	*40.00*		63	**A9K02463**	*90.00*

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K60H circuit breakers

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60898-1

Alternating current (AC) 50/60 Hz

Breaking capacity (Icn) according to IEC/EN 60898-1			Service breaking capacity (Ics)
		Voltage (Ue)	
Ph/Ph		400 V	75% of Icn
Ph/N		230 V	
Rating (In)	6 to 63 A	10000 A	

K60H circuit breakers (B curve)

Pole	Rating (A)	B curve Reference	Price(S$)	Pole	Rating (A)	B curve Reference	Price(S$)
1P	6	A9K11106	8.00	3P	6	A9K11306	41.00
	10	A9K11110	8.00		10	A9K11310	41.00
	16	A9K11116	8.00		16	A9K11316	41.00
	20	A9K11120	8.00		20	A9K11320	41.00
	32	A9K11132	8.00		32	A9K11332	41.00
	40	A9K11140	8.00		40	A9K11340	41.00
	50	A9K11150	19.00		50	A9K11350	70.00
	63	A9K11163	19.00		63	A9K11363	70.00
2P	6	A9K11206	26.00	4P	6	A9K11406	80.00
	10	A9K11210	26.00		10	A9K11410	80.00
	16	A9K11216	26.00		16	A9K11416	80.00
	20	A9K11220	26.00		20	A9K11420	80.00
	32	A9K11232	26.00		32	A9K11432	80.00
	40	A9K11240	26.00		40	A9K11440	80.00
	50	A9K11250	41.00		50	A9K11450	120.00
	63	A9K11263	41.00		63	A9K11463	120.00

D

IEC/EN 61008-1

K60H circuit breakers (C curve)

Pole	Rating (A)	C curve Reference	Price(S$)	Pole	Rating (A)	C curve Reference	Price(S$)
1P	6	A9K12106	8.00	3P	6	A9K12306	41.00
	10	A9K12110	8.00		10	A9K12310	41.00
	16	A9K12116	8.00		16	A9K12316	41.00
	20	A9K12120	8.00		20	A9K12320	41.00
	32	A9K12132	8.00		32	A9K12332	41.00
	40	A9K12140	8.00		40	A9K12340	41.00
	50	A9K12150	19.00		50	A9K12350	70.00
	63	A9K12163	19.00		63	A9K12363	70.00
2P	6	A9K12206	26.00	4P	6	A9K12406	80.00
	10	A9K12210	26.00		10	A9K12410	80.00
	16	A9K12216	26.00		16	A9K12416	80.00
	20	A9K12220	26.00		20	A9K12420	80.00
	32	A9K12232	26.00		32	A9K12432	80.00
	40	A9K12240	26.00		40	A9K12440	80.00
	50	A9K12250	41.00		50	A9K12450	120.00
	63	A9K12263	41.00		63	A9K12463	120.00

C60H-DC
C curve

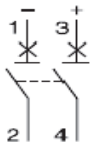
Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2

rating (A)	type	operating voltage (Ue)	rated voltage (Un)	breaking capacity as in IEC 60947-2 Icu (kA)
1…40	1P	12...250 VDC	250 VDC	10kA @ 220VDC
	2P	12...500 VDC	500 VDC	20kA @ 220VDC
				10kA @ 440VDC

Supply from above or below, observing the polarity

Pole	Width in mod. of 9mm	Rating (A)	C curve Reference	*Price(S$)*
1P	**2**	0.5	**A9N61500**	*29.97*
		1	**A9N61501**	*29.97*
		2	**A9N61502**	*29.97*
		3	**A9N61503**	*29.97*
		4	**A9N61504**	*29.97*
		5	**A9N61505**	*29.97*
		6	**A9N61506**	*29.97*
		10	**A9N61508**	*29.97*
		13	**A9N61509**	*29.97*
		15	**A9N61510**	*29.97*
		16	**A9N61511**	*29.97*
		20	**A9N61512**	*29.97*
		25	**A9N61513**	*29.97*
		30	**A9N61514**	*29.97*
		32	**A9N61515**	*29.97*
		40	**A9N61517**	*29.97*
		50	**A9N61518**	*44.60*
		63	**A9N61519**	*44.60*



Supply from above

Supply from below

		0.5	**A9N61520**	*67.47*
2P	**4**	1	**A9N61521**	*67.47*
		2	**A9N61522**	*67.47*
		3	**A9N61523**	*67.47*
		4	**A9N61524**	*67.47*
		5	**A9N61525**	*67.47*
		6	**A9N61526**	*67.47*
		10	**A9N61528**	*67.47*
		13	**A9N61529**	*67.47*
		15	**A9N61530**	*67.47*
		16	**A9N61531**	*67.47*
		20	**A9N61532**	*67.47*
		25	**A9N61533**	*67.47*
		30	**A9N61534**	*67.47*
		32	**A9N61535**	*67.47*
		40	**A9N61537**	*67.47*
		50	**A9N61538**	*86.73*
		63	**A9N61539**	*86.73*

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C120N circuit breakers (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC 60898-1, IEC 60947-2

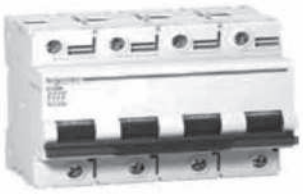
C120N 1P

Alternating current (AC) 50/60 Hz				
Breaking capacity (Icu) according to IEC/EN 60947-2				**Service breaking capacity (Ics)**
Type		**Voltage (V)**		
1P		**220 to 240V**	**380 to 415V**	
Rating (In)	63 to 125A	**10 kA**	**3 kA**	75% of Icu
2P/3P/4P		**220 to 240V**	**380 to 415V**	
Rating (In)	63 to 125A	**20 kA**	**10 kA**	75% of Icu
Breaking capacity (Icu) according to CEI/EN 60898-1				**Service breaking capacity (Ics)**
Type		**Voltage (V)**		
1P,2P,3P,4P		**230 to 400 V**		
Rating (In)	63 to 125A	**10000 A**		75% of Icu

C120N 2 pole

Direct current (DC)			
Breaking capacity (Icu) according to IEC/EN 60947-2			**Service breaking capacity (Ics)**
Type		**Voltage (V)**	
1P		**24/48 V**	
Rating (In)	63 to 125A	**10 kA**	100% of Icu
2P (In Series)		**24/48 V**	
	63 to 125A		100% of Icu

C120N 3 pole



C120N 34pole

Pole	Rating (In)	B curve Reference	*Price(S$)*	C curve Reference	*Price(S$)*	D curve Reference	*Price(S$)*
1P	63 A	**A9N18340**	*61.20*	**A9N18356**	*61.20*	**A9N18378**	*61.20*
	80 A	**A9N18341**	*43.70*	**A9N18357**	*43.70*	**A9N18379**	*43.90*
	100 A	**A9N18342**	*49.20*	**A9N18358**	*49.20*	**A9N18380**	*55.70*
	125 A	**A9N18343**	*78.20*	**A9N18359**	*78.20*	**A9N18381**	*78.20*
2P	63 A	**A9N18344**	*51.10*	**A9N18360**	*51.10*	**A9N18382**	*51.10*
	80 A	**A9N18345**	*55.70*	**A9N18361**	*55.70*	**A9N18383**	*55.70*
	100 A	**A9N18346**	*67.50*	**A9N18362**	*67.50*	**A9N18384**	*67.50*
	125 A	**A9N18347**	*87.90*	**A9N18363**	*87.90*	**A9N18385**	*87.90*
3P	63 A	**A9N18348**	*87.90*	**A9N18364**	*87.90*	**A9N18386**	*87.90*
	80 A	**A9N18349**	*112.50*	**A9N18365**	*112.50*	**A9N18387**	*112.50*
	100 A	**A9N18350**	*134.30*	**A9N18367**	*134.30*	**A9N18388**	*134.30*
	125 A	**A9N18351**	*175.70*	**A9N18369**	*175.70*	**A9N18389**	*175.70*
4P	63 A	**A9N18352**	*175.70*	**A9N18371**	*175.70*	**A9N18390**	*175.70*
	80 A	**A9N18353**	*219.60*	**A9N18372**	*219.60*	**A9N18391**	*219.60*
	100 A	**A9N18354**	*262.40*	**A9N18374**	*262.40*	**A9N18392**	*262.40*
	125 A	**A9N18355**	*306.30*	**A9N18376**	*306.30*	**A9N18393**	*306.30*

D

C120H circuit breakers (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC 60898-1, IEC 60947-2

Alternating current (AC) 50/60 Hz				
Breaking capacity (Icu) according to IEC/EN 60947-2				**Service breaking capacity (Ics)**
Type		**Voltage (V)**		
1P		**220 to 240V**	**380 to 415V**	
Rating (In)	63 to 125A	15 kA	4,5 kA	50% of Icu
2P/3P/4P		**220 to 240V**	**380 to 415V**	
Rating (In)	63 to 125A	30 kA	15 kA	50% of Icu
Breaking capacity (Icu) according to CEI/EN 60898-1				
Type		**Voltage (V)**		
1P,2P,3P,4P		**230 to 400 V**		
Rating (In)	63 to 125A	15000 A		50% of Icu

Direct current (DC)				
Breaking capacity (Icu) according to IEC/EN 60947-2				**Service breaking capacity (Ics)**
Type		**Voltage (V)**		
1P		**24/48 V**	**250 V**	
Rating (In)	63 to 125A	15 kA	**-**	100% of Icu
2P (In Series)		**24/48 V**	**250 V**	
	63 to 125A	**-**	15kA	100% of Icu

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
1P	63 A	**A9N18401**	*39.70*	**A9N18445**	*39.70*	**A9N18489**	*39.70*
	80 A	**A9N18402**	*52.50*	**A9N18446**	*52.50*	**A9N18490**	*52.50*
	100 A	**A9N18403**	*66.40*	**A9N18447**	*66.40*	**A9N18491**	*66.40*
	125 A	**A9N18404**	*92.10*	**A9N18448**	*92.10*	**A9N18492**	*92.10*
2P	63 A	**A9N18412**	*52.50*	**A9N18456**	*52.50*	**A9N18500**	*52.50*
	80 A	**A9N18413**	*66.40*	**A9N18457**	*66.40*	**A9N18501**	*66.40*
	100 A	**A9N18414**	*79.30*	**A9N18458**	*79.30*	**A9N18502**	*79.30*
	125 A	**A9N18415**	*108.20*	**A9N18459**	*108.20*	**A9N18503**	*108.20*
3P	63 A	**A9N18423**	*108.20*	**A9N18467**	*108.20*	**A9N18511**	*108.20*
	80 A	**A9N18424**	*131.70*	**A9N18468**	*131.70*	**A9N18512**	*131.70*
	100 A	**A9N18425**	*160.70*	**A9N18469**	*160.70*	**A9N18513**	*160.70*
	125 A	**A9N18426**	*209.90*	**A9N18470**	*209.90*	**A9N18514**	*209.90*
4P	63 A	**A9N18434**	*209.90*	**A9N18478**	*209.90*	**A9N18522**	*209.90*
	80 A	**A9N18435**	*262.40*	**A9N18479**	*262.40*	**A9N18523**	*262.40*
	100 A	**A9N18436**	*315.00*	**A9N18480**	*315.00*	**A9N18524**	*315.00*
	125 A	**A9N18437**	*581.20*	**A9N18481**	*581.20*	**A9N18525**	*581.20*

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NG125 circuit breakers, C curves IEC 60947-2

Unit price (excl. GST) in Singapore Dollars

NG125 circuit breaker

18617

18628

18644

18662

NG125N breaking capacity as in IEC 60947.2		
type	**voltage (V)**	**breaking capacity Icu (kA)**
1P	230…240	25
2,3,4P	380…415	25

			C curve	
Pole	Width in mod. of 9mm	Rating (A)	Reference	*Price(S$)*
1P	**3**	10	**18610**	*131.70*
		16	**18611**	*131.70*
		20	**18612**	*131.70*
		25	**18613**	*131.70*
		32	**18614**	*131.70*
		40	**18615**	*131.70*
		50	**18616**	*156.50*
		63	**18617**	*156.50*
2P	**6**	10	**18621**	*223.40*
		16	**18622**	*223.40*
		20	**18623**	*223.40*
		25	**18624**	*223.40*
		32	**18625**	*223.40*
		40	**18626**	*223.40*
		50	**18627**	*245.80*
		63	**18628**	*245.80*
3P	**9**	10	**18632**	*321.10*
		16	**18633**	*321.10*
		20	**18634**	*321.10*
		25	**18635**	*321.10*
		32	**18636**	*321.10*
		40	**18637**	*321.10*
		50	**18638**	*384.60*
		63	**18639**	*384.60*
4P	**12**	10	**18649**	*424.60*
		16	**18650**	*424.60*
		20	**18651**	*424.60*
		25	**18652**	*424.60*
		32	**18653**	*424.60*
		40	**18654**	*424.60*
		50	**18655**	*424.60*
		63	**18656**	*424.60*

NG125H breaking capacity as in IEC 60947.2		
type	**voltage (V)**	**breaking capacity Icu (kA)**
1P	230…240	36
2,3,4P	380…415	36

			C curve	
Pole	Width in mod. of 9mm	Rating (A)	Reference	*Price(S$)*
1P	**3**	10	**-**	
		16	**-**	
		20	**-**	
		25	**18708**	*141.70*
		32	**18709**	*141.70*
		40	**18710**	*141.70*
		50	**18711**	*169.70*
		63	**18712**	*169.70*
2P	**6**	10	**18714**	*242.30*
		16	**18715**	*242.30*
		20	**18716**	*242.30*
		25	**18717**	*242.30*
		32	**18718**	*242.30*
		40	**18719**	*242.30*
		50	**18720**	*265.00*
		63	**18721**	*265.00*
3P	**9**	10	**18723**	*347.20*
		16	**18724**	*347.20*
		20	**18725**	*347.20*
		25	**18726**	*347.20*
		32	**18727**	*347.20*
		40	**18728**	*347.20*
		50	**18729**	*416.40*
		63	**18730**	*416.40*
4P	**12**	10	**18732**	*458.60*
		16	**18733**	*458.60*
		20	**18734**	*458.60*
		25	**18735**	*458.60*
		32	**18736**	*458.60*
		40	**18737**	*458.60*
		50	**18738**	*458.60*
		63	**18739**	*458.60*

D

NG125 circuit breakers, C curves IEC 60947-2

Unit price (excl. GST) in Singapore Dollars

NG125 circuit breaker

NG125L breaking capacity as in IEC 60947.2		
type	**voltage (V)**	**breaking capacity Icu (kA)**
1P	230…240	50
2,3,4P	380…415	50

NG125LMA breaking capacity as in IEC 60947.2		
type	**voltage (V)**	**breaking capacity Icu (kA)**
3P	380…415	50

18784

18790

18806

18817

18895

Pole	Width in mod. of 9mm	Rating (A)	C curve Reference	*Price(S$)*
1P	**3**	10	**18777**	*167.00*
		16	**18778**	*167.00*
		20	**18779**	*167.00*
		25	**18780**	*167.00*
		32	**18781**	*167.00*
		40	**18782**	*167.00*
		50	**18783**	*198.50*
		63	**18784**	*198.50*
2P	**6**	10	**18788**	*285.60*
		16	**18789**	*285.60*
		20	**18790**	*285.60*
		25	**18791**	*285.60*
		32	**18792**	*285.60*
		40	**18793**	*285.60*
		50	**18794**	*311.90*
		63	**18795**	*311.90*
3P	**9**	10	**18799**	*408.50*
		16	**18800**	*408.50*
		20	**18801**	*408.50*
		25	**18802**	*408.50*
		32	**18803**	*408.50*
		40	**18804**	*408.50*
		50	**18805**	*490.40*
		63	**18806**	*490.40*
4P	**12**	10	**18810**	*539.70*
		16	**18811**	*539.70*
		20	**18812**	*539.70*
		25	**18813**	*539.70*
		32	**18814**	*539.70*
		40	**18815**	*539.70*
		50	**18816**	*539.70*
		63	**18817**	*539.70*

Pole	trip unit (A)	magn. I (A)	MA curve Reference	*Price(S$)*
3P	MA4	50	**18879**	*517.60*
	MA6.3	75	**18880**	*440.00*
	MA10	120	**18881**	*440.00*
	MA12.5	150	**18882**	*440.00*
	MA16	190	**18883**	*440.00*
	MA25	300	**18884**	*440.00*
	MA40	480	**18885**	*440.00*
	MA63	750	**18886**	*527.10*

Life Is On Schneider Electric

iID residual current
circuit breakers (AC and A type)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 61008-1

The iID residual current circuit breakers provide:
- protection of persons against electric shock by direct contact (≤ 30 mA)
- protection of persons against electric shock by indirect contact (≥ 100 mA)
- protection of installations against the risk of fire (300 mA or 500 mA)

Characteristics		
Voltage rating (Ue)	2P	230 - 240 V
	4P	400 - 415 V
Operating frequency		50 / 60 Hz

Type AC

		2 Pole			4 Pole		
Rating (A)	Sensitivity (mA)	Width in 9mm mod	Reference	*Price(S$)*	Width in 9mm mod	Reference	*Price(S$)*
25	10	4	**A9R10225**	*90.80*	8	-	-
	30		**A9R71225S**	*68.30*	8	**A9R71425S**	*102.00*
	300		**A9R74225**	*92.60*		**A9R74425**	*138.70*
	500		**A9R16225**	*117.70*		**A9R16425**	*175.80*
40	30	4	**A9R71240S**	*47.30*	8	**A9R71440S**	*79.60*
	100		**A9R12240**	*47.30*		**A9R12440**	*79.60*
	300		**A9R74240**	*58.20*		**A9R74440**	*81.20*
	500		**A9R16240**	*71.00*		**A9R16440**	*94.40*
63	30	4	**A9R71263S**	*68.30*	8	**A9N16258S**	*136.80*
	100		**A9R12263**	*68.30*		**A9R12463**	*102.00*
	300		**A9R74263**	*69.70*		**A9R74463**	*104.00*
	500		**A9R16263**	*94.40*		**A9R16463**	*129.40*
80	30	4	**A9R11280S**	*68.30*	8	**A9R11480S**	*136.00*
	100		**A9R12280**	*90.80*		**A9R12480**	*158.10*
	300		**A9R14280**	*102.00*		**A9R14480**	*158.10*
	500		-	-		**A9R16480**	*199.50*
100	30	4	**A9R11291S**	*113.20*	8	**A9R11491S**	*158.10*
	100		**A9R12291**	*113.20*		**A9R12491**	*158.10*
	300		**A9R14291**	*113.20*		**A9R14491**	*158.10*

Type A

		2 Pole			4 Pole		
Rating (A)	Sensitivity (mA)	Width in 9mm mod	Reference	*Price(S$)*	Width in 9mm mod	Reference	*Price(S$)*
25	10	4	**A9R20225**	*116.60*	8	-	-
	30		**A9R51225**	*81.99*		**A9R51425**	*122.57*
	300		**A9R54225**	*105.06*		**A9R54425**	*157.59*
40	30	4	**A9R51240**	*63.04*	8	**A9R51440**	*93.52*
	100		-	-		**A9R22440**	*93.52*
	300		**A9R54240**	*81.99*		**A9R54440**	*93.52*
	500		-	-		**A9R26440**	*105.06*
63	30	4	**A9R51263**	*84.46*	8	**A9R51463**	*140.08*
	100		-	-		**A9R22463**	*140.08*
	300		**A9R54263**	*84.46*		**A9R54463**	*140.08*
	500		-	-		**A9R26463**	*140.08*
80	30		-	-	8	**A9R21480**	*197.55*
100	30		-	-	8	**A9R21491**	*209.09*

** Only Type AC references with rating 25A to 80A and sensitivity 30mA are conform with SS97 Safety mark for local requirement.*

** Other references are not included.*

** A9N16258S, A9N16212S & A9N16261S: refer to Pg. D29 auxiliaries and accessories. To be replace with iC60 form factor by Q4'2014*

D

Residual current devices
iDPN N Vigi (AC and A type)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 61009

The iDPN Vigi residual current device provide complete protection for final circuits (against overcurrents and insulation faults):

- protection for users against electric shocks by direct contacts (≤ 30 mA)
- protection for users against electric shocks by indirect contacts (300 mA)
- protection of the installations against the fire risks (300 mA)

Characteristics	
Voltage rating (Ue)	230 V AC
Operating frequency	50 Hz
Rated breaking capacity (Icn)	6000 A

Type AC

1P+N	Sensitivity	Width in	Curve B		Curve C	
Rating (A)	(mA)	9mm mod	Reference	*Price(S$)*	Reference	*Price(S$)*
4	30	**4**	**A9D55604**	*139.40*	**-**	
6	30		**A9D55606**	*139.40*	**A9D31606**	*139.40*
	300		**A9D68606**	*151.00*	**A9D41606**	*154.60*
10	30		**A9D55610**	*139.40*	**A9D31610**	*139.40*
	300		**A9D68610**	*151.00*	**A9D41610**	*154.60*
16	30		**A9D55616**	*139.40*	**A9D31616**	*139.40*
	300		**A9D68616**	*151.00*	**A9D41616**	*154.60*
20	30		**A9D55620**	*139.40*	**A9D31620**	*139.40*
	300		**A9D68620**	*151.00*	**A9D41620**	*154.60*
25	30		**A9D55625**	*139.40*	**A9D31625**	*139.40*
	300		**A9D68625**	*151.00*	**A9D41625**	*154.60*
32	30		**A9D55632**	*139.40*	**A9D31632**	*139.40*
	300		**A9D68632**	*151.00*	**A9D41632**	*154.60*
40	30		**A9D55640**	*139.40*	**A9D31640**	*139.40*
	300		**A9D68640**	*151.00*	**A9D41640**	*154.60*

Type A

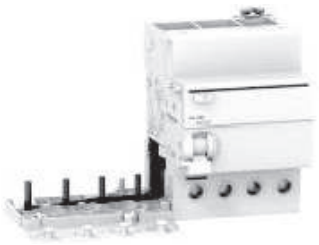
1P+N	Sensitivity	Width in	Curve B		Curve C	
Rating (A)	(mA)	9mm mod	Reference	*Price(S$)*	Reference	*Price(S$)*
4	100	**4**	**A9D60604**	*151.00*		
6	100		**A9D60606**	*151.00*	**A9D52606**	*151.00*
10	100		**A9D60610**	*151.00*	**A9D52610**	*151.00*
16	100		**A9D60616**	*151.00*	**A9D52616**	*151.00*
20	100		**A9D60620**	*151.00*	**A9D52620**	*151.00*
25	100		**A9D60625**	*151.00*	**A9D52625**	*151.00*
32	100		**A9D60632**	*151.00*	**A9D52632**	*151.00*
40	100		**A9D60640**	*151.00*	**A9D52640**	*151.00*

Life Is On Schneider Electric

Vigi iC60 add-on residual current devices (AC, A and Asi type)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 61009-1



Combined with iC60 circuit breaker, the Vigi iC60 provide:
- protection of persons against electric shock by direct contact (≤ 30 mA)
- protection of persons against electric shock by indirect contact (≥ 100 mA)
- protection of installations against the risk of fire (300 mA or 500 mA)

Characteristics	
Voltage rating (Ue)	230 - 240 V, 400 - 415 V
Operating frequency	50 / 60 Hz

Type AC

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole Reference	*Price(S$)*	Width in 9mm mod	3 Pole Reference	*Price(S$)*	4 Pole Reference	*Price(S$)*
25	10	3	**A9V10225**	*204.87*	6	**-**		**-**	
	30		**A9V41225**	*153.26*		**A9V41325**	*252.87*	**A9V41425**	*293.65*
	100		**A9V12225**	*153.26*		**-**		**A9V12425**	*228.04*
	300		**A9V44225**	*204.87*		**A9V44325**	*367.71*	**A9V44425**	*390.99*
40	30	4	**A9V41240**	*102.90*	7	**A9V41340**	*214.34*	**A9V41440**	*228.04*
	300		**A9V44240**	*128.54*		**A9V44340**	*214.34*	**A9V44440**	*228.04*
63	30	4	**A9V41263**	*153.26*	7	**A9V41363**	*337.53*	**A9V41463**	*357.82*
	100		**A9V12263**	*153.26*		**-**		**A9V12463**	*293.65*
	300		**A9V44263**	*153.26*		**A9V44363**	*273.05*	**A9V44463**	*293.65*
	500		**A9V16263**	*204.87*		**A9V16363**	*337.53*	**A9V16463**	*357.82*

Type A

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole Reference	*Price(S$)*	Width in 9mm mod	3 Pole Reference	*Price(S$)*	4 Pole Reference	*Price(S$)*
25	30	3	**A9V51225**	*178.91*	6	**A9V51325**	*286.60*	**A9V51425**	*342.78*
	100		**A9V22225**	*183.86*		**A9V22325**	*219.50*	**A9V22425**	*261.11*
	300		**A9V54225**	*230.41*		**A9V54325**	*401.90*	**A9V54425**	*439.19*
63	30	4	**A9V51263**	*183.86*	7	**A9V51363**	*357.00*	**A9V51463**	*390.99*
	100		**A9V22263**	*192.30*		**-**		**A9V22463**	*390.99*
	300		**A9V54263**	*183.86*		**A9V54363**	*357.00*	**A9V54463**	*390.99*
	500		**A9V26263**	*234.33*		**A9V26363**	*357.00*	**A9V26463**	*390.99*

Type Asi

The Asi type provides increased immunity from electrical interference and polluted or corrosive environments.

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole Reference	*Price(S$)*	Width in 9mm mod	3 Pole Reference	*Price(S$)*	4 Pole Reference	*Price(S$)*
25	10	3	**A9V30225**	*256.37*	6	**-**		**-**	
	30		**A9V61225**	*204.87*		**A9V61325**	*327.70*	**A9V61425**	*390.99*
40	30	4	**A9V61240**	*178.91*	7	**A9V61340**	*297.80*	**A9V61440**	*326.72*
63	30	4	**A9V61263**	*230.41*	7	**A9V61363**	*416.20*	**A9V61463**	*456.60*

D

Vigi C120 add-on residual current devices (type AC, A and *SI*)

Unit price (excl. GST) in Singapore Dollars

IEC 61009

When a Vigi C120 device is combined with a C120 circuit breaker, it provides the following functions:
- Protection of persons against electric shock by direct contact (30mA)
- Protection of persons against electric shock by indirect contact (≥ 300mA)
- Protection of installations against fire hazards (300mA to 1000mA)

Type AC

		2 Pole		3 Pole		4 Pole	
Width in 9mm mod		7		10		10	
Rating (A)	Sensitivity (mA)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
125	30	**A9N18563**	*262.55*	**A9N18566**	*511.50*	**A9N18569**	*693.29*
	300	**A9N18564**	*262.55*	**A9N18567**	*511.50*	**A9N18570**	*693.29*
	500	**A9N18565**	*262.55*	**A9N18568**	*511.50*	**A9N18571**	*693.29*
	300	**A9N18544**	*546.21*	**A9N18546**	*625.00*	**A9N18548**	*761.58*
	1000	**A9N18545**	*546.21*	**A9N18547**	*625.00*	**A9N18549**	*761.58*

Type A

		2 Pole		3 Pole		4 Pole	
Width in 9mm mod		7		10		10	
Rating (A)	Sensitivity (mA)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
125	30	**A9N18572**	*492.65*	**A9N18575**	*585.04*	**A9N18578**	*729.03*
	300	**A9N18573**	*492.65*	**A9N18576**	*585.04*	**A9N18579**	*729.03*
	500	**A9N18574**	*492.65*	**A9N18577**	*585.04*	**A9N18580**	*729.03*
	300	**-**		**-**		**A9N18587**	*796.29*
	500	**-**		**-**		**A9N18588**	*796.29*
	1000	**-**		**-**		**A9N18589**	*796.29*

Type SI

		2 Pole		3 Pole		4 Pole	
Width in 9mm mod		7		10		10	
Rating (A)	Sensitivity (mA)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
125	30	**A9N18591**	*449.70*	**A9N18594**	*511.50*	**A9N18597**	*833.06*
	300	**A9N18592**	*449.70*	**A9N18595**	*511.50*	**A9N18598**	*833.06*
	500	**-**		**-**		**A9N18599**	*833.06*
	300	**A9N18556**	*585.04*	**A9N18558**	*625.00*	**A9N18560**	*833.06*
	1000	**A9N18557**	*585.04*	**A9N18559**	*625.00*	**A9N18561**	*833.06*

Life Is On Schneider Electric

Acti 9 Smartlink

Unit price (excl. GST) in Singapore Dollars

IEC 61131-2

The **Acti 9 Smartlink** transmits data from Acti 9 devices to a PLC or a supervision system via the Modbus line communication network.

Acti 9 Smartlink

Type			set of	Reference	*Price (S$)*
Acti 9 Smartlink (Modbus slave)			1	**A9XMSB11**	*417.05*
Acti 9 Smartlink Ethernet			1	**A9XMEA08**	*500.58*
Supplied with	Modbus connector		1		
	24 V DC power supply connector		1		
	Locking clips for mounting on multiclip 80		2		

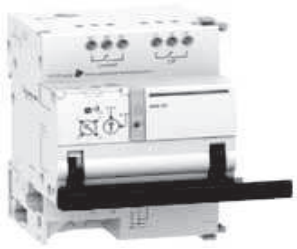
Accessories			set of	Reference	*Price (S$)*
Link USB/Modbus for Acti 9 Smartlink test			1	**A9XCATM1**	*306.94*
Prefabricated cables					
	With 2 connectors	Short: 100mm	6	**A9XCAS06**	*56.65*
		Medium-Sized: 160mm	6	**A9XCAM06**	*66.95*
		Long: 870mm	6	**A9XCAL06**	*87.55*
	With 1 connector	Long: 870mm	6	**A9XCAU06**	*66.95*
Connectors	5-pin connectors (Ti24)		12	**A9XC2412**	*133.90*
	Connectors		4	**A9XPCD04**	*39.96*
Mounting kit	DIN rail (4 feet, 4 straps, 4 adapters)		1	**A9XMFA04**	*22.66*
	Multiclip 200A (4 adapters)		1	**A9XM2B04**	*22.66*
Spare parts	Lock for Multiclip 80 A (2 clips)		1	**A9XMLA02**	*22.66*

Auxillary	(V)	set of	Reference	*Price (S$)*
CONTACTOR AUXILIARY	24V DC	1	**A9C15924**	*175.10*
IMPULSE RELAY AUXILIARY	24V DC	1	**A9C15424**	*175.10*
ACTI9 IOF SD WITH TI24 PLC INTERF	24V DC	1	**A9A26897**	*24.72*

D

ARA automatic reclosers for iC60 circuit breakers and iID residual current circuit breakers

Unit price (excl. GST) in Singapore Dollars



The ARA reclosing auxiliary can:

- Perform automatic reclosing of the associated protection device, after tripping.
- Increase the availability of installations without supervision, isolated, hard of access and demanding very great availability (mobile telephony systems, motorways, pumping stations, airports, railway, meterological stations, service stations, automatic teller machines, public lighting, tunnels, etc.), by restoring them to operation without intervention by personnel in the event of a transient fault (atmospheric disturbances, industrial overvoltages, etc.)
- The operator can choose predefined reclosing program which allows the safety and availability of facilities to be reconciled taking into account the facility's environment.
- The circuit is placed in safety configuration by the padlocking device.

ARA iC60

For circuit breaker	Width in 9mm mod	Number of programs	Voltage	Reference	*Price (S$)*
1P, 1P+N, 2P	7	4	230 V AC, 50 Hz	**A9C70132**	*779.30*
3P, 4P	7	4	230 V AC, 50 Hz	**A9C70134**	*822.70*

ARA iID

For residual current circuit breaker	Width in 9mm mod	Number of programs	Voltage	Reference	*Price (S$)*
2P	7	1	230 V AC, 50 Hz	**A9C70342**	*779.30*
4P	7	1	230 V AC, 50 Hz	**A9C70344**	*822.70*

D

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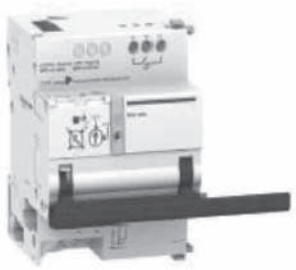
RCA remote controls
for iC60 circuit breakers

Unit price (excl. GST) in Singapore Dollars



The RCA remote control system allows:
- Remote electrical control (opening and closing) of circuit breakers with or without Vigi add-on RCD, with or without auxiliary.
- Circuit-breaker resetting after tripping, in accordance with safely principles and the regulations in force.
- Local control by operating handle.
- Circuit placing in safely configurating by padlocking.

2 choices of operation after tripping:
- A: Enabling of remote circuit-breaker resetting;
- B: Inhibition of remote resetting.

The version with Ti24 interface allows:
- Direct interfacing of remote control with a programmable logic controller (PLC), a supervision system and any other communication device, having inputs/outputs in 24 V DC (control, OF and SD indications.)
- Remote indication by "OF" potential-free contact.
- Provision of 2 operating modes, "1 and 3"

The iMDU auxiliary allows RCA control in 24/48 V AC/DC.

Without Ti24 interface

With Ti24 interface

RCA remote control

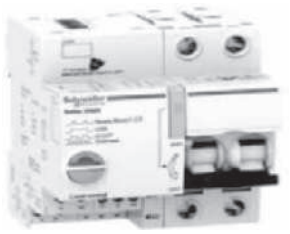
For circuit breaker	Supply Voltage	Reference	*Price (S$)*
1P, 1P+N, 2P			
Without Ti24 interface	230 V AC, 50 Hz	**A9C70112**	*458.90*
With Ti24 interface	230 V AC, 50 Hz	**A9C70122**	*809.90*
3P, 4P			
Without Ti24 interface	230 V AC, 50 Hz	**A9C70114**	*490.40*
With Ti24 interface	230 V AC, 50 Hz	**A9C70124**	*827.70*

D

Reflex iC60N (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2



Alternating current (AC) 50 Hz				
Ultimate breaking capacity (Icu) as per IEC/EN 60947-2				**Service breaking capacity (Ics)**
		Voltage (Ue)		
Ph/Ph (2P, 3P, 4P)		**220 to 240 V**	**380 to 415 V**	
Rating (In)	10 to 40 A	20 kA	10 kA	75 % of Icu
	63 A	20 kA	10 kA	50 % of Icu

Reflex iC60N

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
With Ti24 interface							
2P	10	**A9C61210**	*856.40*	**A9C62210**	*856.40*	**A9C63210**	*905.50*
	16	**A9C61216**	*856.40*	**A9C62216**	*856.40*	**A9C63216**	*905.50*
	25	**A9C61225**	*856.40*	**A9C62225**	*856.40*	**A9C63225**	*905.50*
	40	**A9C61240**	*856.40*	**A9C62240**	*856.40*	**-**	
	63	**A9C61263**	*856.40*	**A9C62263**	*856.40*	**-**	
3P	10	**A9C61310**	*887.90*	**A9C62310**	*887.90*	**A9C63310**	*912.30*
	16	**A9C61316**	*887.90*	**A9C62316**	*887.90*	**A9C63316**	*912.30*
	25	**A9C61325**	*887.90*	**A9C62325**	*887.90*	**A9C63325**	*912.30*
	40	**A9C61340**	*887.90*	**A9C62340**	*887.90*	**-**	
	63	**A9C61363**	*887.90*	**A9C62363**	*887.90*	**-**	
4P	10	**A9C61410**	*895.40*	**A9C62410**	*895.40*	**A9C63410**	*974.80*
	16	**A9C61416**	*895.40*	**A9C62416**	*895.40*	**A9C63416**	*974.80*
	25	**A9C61425**	*895.40*	**A9C62425**	*895.40*	**A9C63425**	*974.80*
	40	**A9C61440**	*895.40*	**A9C62440**	*895.40*	**-**	
	63	**A9C61463**	*895.40*	**A9C62463**	*895.40*	**-**	

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Reflex iC60H (curve B, C, D)

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-2

Alternating current (AC) 50 Hz				
Ultimate breaking capacity (Icu) as per IEC/EN 60947-2				**Service**
		Voltage (Ue)		**breaking**
Ph/Ph (2P, 3P, 4P)		**220 to 240 V**	**380 to 415 V**	**capacity (Ics)**
Rating (In)	10 to 40 A	30 kA	15 kA	50 % of Icu

Reflex iC60H

	Rating	B curve		C curve		D curve	
Pole	(A)	Reference	*Price(S$)*	Reference	*Price(S$)*	Reference	*Price(S$)*
With Ti24 interface							
2P	10	**A9C64210**	*860.40*	**A9C65210**	*860.40*	**A9C66210**	*951.60*
	16	**A9C64216**	*860.40*	**A9C65216**	*860.40*	**A9C66216**	*951.60*
	25	**A9C64225**	*860.40*	**A9C65225**	*860.40*	**A9C66240**	*951.90*
	40	**A9C64240**	*860.40*	**A9C65240**	*860.40*	**-**	-
3P	10	**A9C64310**	*951.60*	**A9C65310**	*951.60*	**A9C66310**	*999.80*
	16	**A9C64316**	*951.60*	**A9C65316**	*951.60*	**A9C66316**	*999.80*
	25	**A9C64325**	*951.60*	**A9C65325**	*951.60*	**A9C66325**	*999.80*
	40	**A9C64340**	*951.60*	**A9C65340**	*951.60*	**-**	-
4P	10	**A9C64410**	*999.80*	**A9C65410**	*999.80*	**A9C66410**	*1,067.80*
	16	**A9C64416**	*999.80*	**A9C65416**	*999.80*	**A9C66416**	*1,067.80*
	25	**A9C64425**	*999.80*	**A9C65425**	*999.80*	**A9C66425**	*1,067.80*
	40	**A9C64440**	*999.80*	**A9C65440**	*999.80*	**-**	-

Electrical auxiliary for Reflex iC60N/H

Type	Control voltage	Reference	*Price (S$)*
iMDU	24 / 48 V AC/DC	**A9C18195**	*239.06*

D

iCT contactors
without manually-operated

Unit price (excl. GST) in Singapore Dollars

EN 61095, IEC 1095

Characteristics		
Voltage rating (Ue)	1P, 2P	250 V AC
	3P, 4P	400 V AC
Frequency		50 Hz or 60 Hz

Pole	Width in 9mm mod	Rating (A) AC7a	AC7b	Control voltage (V AC) (50 Hz)	Contact	Reference	*Price (S$)*
1P	2	25	8.5	230…240	1NO	**A9C20731**	*48.72*
2P	2	25	8.5	230…240	2NO	**A9C20732**	*51.50*
					2NC	**A9C20736**	*59.84*
	4	40	15	220…240	2NO	**A9C20842**	*68.08*
		63	20	220…240	2NO	**A9C20862**	*117.63*
	6	100	-	220…240	2NO	**A9C20882**	*130.00*
3P	4	25	8.5	220…240	3NO	**A9C20833**	*53.87*
	6	40	15	220…240	3NO	**A9C20843**	*79.83*
		63	20	220…240	3NO	**A9C20863**	*140.80*
4P	4	25	8.5	220…240	4NC	**A9C20837**	*71.48*
					2NO+2NC	**A9C20838**	*93.52*
	6	40	15	220…240	4NO	**A9C20844**	*105.06*
					4NC	**A9C20847**	*129.27*
	6	63	20	220…240	4NO	**A9C20864**	*156.15*
					4NC	**A9C20867**	*158.62*
					2NO+2NC	**A9C20868**	*117.63*
					3NO+1NC	**A9C20869**	*140.80*
	12	100	-	220…240	4NO	**A9C20884**	*252.35*

D

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iTL, iTLI impulse relays
iTLc, iTLs with built-in auxiliary function

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60669-2-2
iTLs: IEC/EN 60947-5-1

Characteristics		
Voltage rating (Ue)	1P, 2P	24...250 V AC
	3P, 4P	24...415 V AC
Frequency		50 Hz or 60 Hz

	Pole		Control Voltage (Uc) (V AC)	Control Voltage (Uc) (V DC)	Reference	*Price (S$)*
iTL impulse relays						
iTL 16 A	1P	1 NO	230...240	110	**A9C30811**	*29.77*
	2P	2 NO	230...240	110	**A9C30812**	*36.05*
	3P	1 NO + 1NO/NC	230...240	110	**A9C30811** + **A9C32816**	*29.77* + *48.50*
		+ 1 NO				
	4P	4 NO	230...240	110	**A9C30814**	*70.04*
iTLI impulse relays						
iTLI 16A	1P	1 NO + 1 NC	230...240	110	**A9C30815**	*82.81*
iTLc impulse relay with centralised control						
iTLc 16A	1P	1 NO	230...240	-	**A9C33811**	*71.07*
iTLs impulse relay with remote indication *(1)*						
iTLs 16A	1P	1 NO	230...240	110	**A9C32811**	*71.07*

(1) Short circuit protection device for indication contacts: 6 A gG fuse.

D

Surge arresters

Unit price (excl. GST) in Singapore Dollars

IEC/EN 61643-11

Type 2 surge arresters

Pole	Type	Imax. (kA)	Reference	*Price (S$)*
3P + N	iPRD 65r	65	**A9L65601**	*370.74*
	iPRD 40r	40	**A9L40601**	*332.72*
	iPRD 40	40	**A9L40600**	*296.84*
	iPRD 20r	20	**A9L20601**	*332.72*
	iPRD 20	20	**A9L20600**	*259.94*
	iPRD 8r	8	**A9L08601**	*296.84*
	iPRD 8	8	**A9L08600**	*259.94*
	iPF 65r	65	**A9L15685**	*554.53*
	iPF 65	65	**A9L15586**	*481.75*
	iPF 40r	40	**A9L15690**	*443.62*
	iPF 40	40	**A9L15688**	*384.89*
	iPF 20	20	**A9L15693**	*355.47*
	iPF 8	8	**A9L15696**	*284.64*
1P + N	iPRD 65r	65	**A9L65501**	*259.94*
	iPRD 40r	40	**A9L40501**	*204.49*
	iPRD 40	40	**A9L40500**	*185.94*
	iPRD 20r	20	**A9L20501**	*166.36*
	iPRD 20	20	**A9L20500**	*148.93*
	iPRD 8r	8	**A9L08501**	*187.58*
	iPRD 8	8	**A9L08500**	*159.90*
	iPF 65	65	**A9L15684**	*185.94*
	iPF 40	40	**A9L15687**	*148.93*
	iPF 20	20	**A9L15692**	*119.62*
	iPF 8	8	**A9L15695**	*95.94*
2P	iPRD 40	40	**A9L40200**	*166.36*
1P	iPRD 65r	65	**A9L65101**	*185.94*
	iPRD 40r	40	**A9L40101**	*166.36*
	iPRD 40	40	**A9L40100**	*130.48*
	iPRD 20	20	**A9L20100**	*110.91*
	iPRD 8	8	**A9L08100**	*86.61*
	iPF 65	65	**A9L15683**	*93.79*
	iPF 40	40	**A9L15686**	*74.62*
	iPF 20	20	**A9L15691**	*60.89*
	iPF 8	8	**A9L15694**	*47.97*
4P	iPRD 40	40	**A9L40400**	*277.26*
Cartridges for PRD				
	C65-340	65	**A9L65102**	*185.94*
	C40-340	40	**A9L40102**	*185.94*
	C20-340	20	**A9L20102**	*185.94*
	C8-340	8	**A9L08102**	*185.94*
	C neutral		**A9L00002**	*185.94*

** iPRD to be ONLY open for sales on 15th May 2014 (tbc).*

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Electrical auxiliaries
for iC60, iID, RCA and ARA

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-1
■ Tripping auxiliaries

IEC/EN 60947-5-1
■ Indication auxiliaries

IEC/EN 60947-7-1
■ Multiclip 80A splitter block

		Rated Voltage (Ue)		Operating		
		V AC	V DC	frequency (Hz)	Reference	*Price (S$)*
Tripping						
Undervoltage	Instantaneous	220…240	-	50/60	**A9A26960**	*89.00*
release	iMN	48	48	50/60	**A9A26961**	*89.00*
		115	-	400	**A9A26959**	*89.00*
	Delayed	220…240	-	50/60	**A9A26963**	*85.70*
	iMNs					
	Independent of the	220…240	-	50/60	**A9A26969**	*85.70*
	supply voltage	380…415	-	50/60	**A9A26971**	*98.06*
	iMNx					
Overvoltage	iMSU	230	-	50/60	**A9A26979**	*107.12*
release					**A9A26479**	*107.12*
Shunt release	iMX	100…415	110…130	50/60	**A9A26476**	*59.95*
		48	48	50/60	**A9A26477**	*59.95*
		12…24	12…24	50/60	**A9A26478**	*59.95*
	With Open/Close	100…415	110…130	50/60	**A9A26946**	*61.49*
	auxiliary contact	48	48	50/60	**A9A26947**	*61.49*
	iMX+OF	12…24	12…24	50/60	**A9A26948**	*61.49*
Indication						
Open/close auxiliary contact						
	iOF	240…415	24…130	50/60	**A9A26924**	*40.17*
Fault indicating contact						
	iSD	240…415	24…130	50/60	**A9A26927**	*40.17*
Double open/close or fault indicating contact						
	iOF/SD+OF	240…415	24…130	50/60	**A9A26929**	*66.44*

Multiclip 80A splitter block

Rated current at 40°C (In)	Width in 9mm mod	Operated Voltage (Ue)	Operating Frequency (Hz)	Rated insulation Voltage (Ui)	Reference	*Price (S$)*
80 A	48	440 V AC	50/60	500 V AC	**04000**	*150.00*

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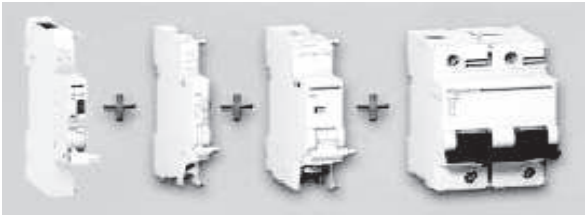
Electrical auxiliaries
for C120 and C60H-DC device

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60947-1
■ Tripping auxiliaries

IEC/EN 60947-5-1
■ Indication auxiliaries



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Tripping

Auxiliaries	Type	Rated Voltage (Ue) V AC	V DC	Operating frequency (Hz)	Reference	*Price (S$)*
Undervoltage	Instantaneous	220…240	-	50/60	**A9N26960**	*62.21*
release	MN	48	48	50/60	**A9N26961**	*62.21*
		115	-	400	**A9N26959**	*62.21*
	Delayed	220…240	-	50/60	**A9N26963**	*88.89*
	MNs					
	Independent of the	230	-	50/60	**A9N26969**	*88.89*
	supply voltage	400	-	50/60	**A9N26971**	*88.89*
	MNx					
Voltage	MSU *(1)*	230	-	50/60	**A9N26500**	*109.28*
threshold release						
Shunt release	MX	100…415	110…130	50/60	**A9N26476**	*61.08*
		48	48	50/60	**A9N26477**	*61.08*
		12…24	12…24	50/60	**A9N26478**	*61.08*
	With Open/Close	100…415	110…130	50/60	**A9N26946**	*61.08*
	auxiliary contact	48	48	50/60	**A9N26947**	*61.08*
	MX+OF	12…24	12…24	50/60	**A9N26948**	*61.08*

Indication

Auxiliaries	Type	Rated Voltage (Ue) V AC	V DC	Operating frequency (Hz)	Reference	*Price (S$)*
Open/close auxiliary contact						
	OF	24…415	24…130	50/60	**A9N26924**	*41.20*
Fault indicating contact						
	SD	24…415	24…130	50/60	**A9N26927**	*41.20*
Double open/close or fault indicating contact						
	OF/SD+OF	24…415	24…130	50/60	**A9N26929**	*67.26*
Double open/close and fault indicating contact						
	OF/SD24	-	24	-	**A9N26899**	*67.26*

(1) Not applicable to C60H-DC.

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Electrical auxiliaries and accessories for NG125

IEC 60947.5.1

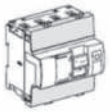
Unit price (excl. GST) in Singapore Dollars

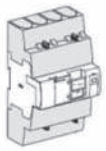
19071

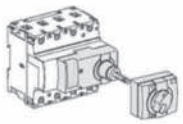
19072

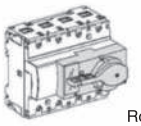
19064

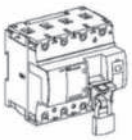
19067


Screw shield


Terminal shield


Extended rotary handle


Rotary handle


Padlocking

Electrical auxiliaries

Type	Voltage (V AC)	Voltage (V DC)	Reference	*Price(S$)*
OF + OF auxiliary contact	220-240 (6A)		**19071**	*151.00*
OF + SD fault indicating switch	220-240 (6A)		**19072**	*151.00*
MX + OF	230-415	110-130	**19064**	*149.80*
■ shunt releases	24	24	**19066**	*149.80*
■ tripping: on energisation				
■ equipped with a contact allowing selfbreaking				
MN	230-240		**19067**	*151.30*
instantaneous undervoltage release		48	**19070**	*151.30*

Accessories

Type			Reference	*Price(S$)*
Screw shield for circuit-breaker (set of 10 parts)		1P	**19084**	*84.00*
		2P	**19085**	*88.60*
		3P	**19086**	*125.00*
		4P	**19087**	*143.00*
Terminal shield for circuit-breaker (set of 2)		1P	**19080**	*50.20*
		2P	**19081**	*66.80*
		3P	**19082**	*77.00*
		4P	**19083**	*88.00*
Rotary handle	extended standard black		**19088**	*504.00*
	direct standard black		**19092**	*211.00*
Padlocking accessory		set of 4 parts	**19090**	*77.30*

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Accessories for iC60, iID,
Reflex iC60, RCA and ARA

Unit price (excl. GST) in Singapore Dollars

Rotary handle

Plug-in base

Padlocking device

Screw shield

Terminal shield

Inter-pole barrier

Spacer

Mounting

Type		Set of	Reference	*Price (S$)*
Rotary handle	black handle	1	**A9A27005**	*173.25*
	red handle	1	**A9A27006**	*176.61*
	no handle	1	**A9A27008**	*146.88*
Plug-in base	1 per pole	1	**A9A27003**	*42.85*
Padlocking device		10	**A9A26970**	*31.83*

Suitability

	iC60	iC60 + Vigi iC60	iID	Reflex iC60 or RCA + iC60 or ARA + iC60	ARA + iID
Rotary handle	■ 2P, 3P, 4P	■ 2P, 3P, 4P	■	-	-
Plug-in base	■	-	■ ≤ 63 A	-	-
Padlocking device	■	■	■	■	■

Security

Type	Set of	Reference	*Price (S$)*
Screw shield	12 x 1 pole	**A9A26982**	*28.94*
	20 x 4 poles (splittable)	**A9A26981**	*116.08*
Terminal shield	2 x 1 pole	**A9A26975**	*31.83*
	2 x 2 pole	**A9A26976**	*31.83*
Inter-pole barrier	10	**A9A27001**	*116.08*
Spacer	5	**A9A27062**	*12.77*

Suitability

	iC60	Vigi iC60	iID	Reflex iC60 or RCA + iC60 or ARA + iC60	ARA + iID
Screw shield					
12 x 1 pole	-	■	-	-	-
20 x 4 poles (splittable)	■	-	■	■	■
Terminal shield					
2 x 1 pole	■	-	-	■	■
2 x 2 pole	■	-	■	■	■
Inter-pole barrier	■	-	■	■	■
Spacer	■	■	■	■	■

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Accessories
for C120, C60H-DC and iSW

Unit price (excl. GST) in Singapore Dollars

Mounting

Type (see below suitability)		Set of	Reference	*Price (S$)*
Rotary handle	Removable extended handle	1	**27047**	*52.53*
	Fixed handle	1	**27048**	*52.53*
	Operating sub-assembly	1	**27046**	*67.57*
Plug-in base	1 per pole (see below table)	1	**26996**	*65.30*
	1 per pole (see below table)	1	**26997**	*65.30*
Padlocking device		4	**27145**	*42.64*
		2	**26970**	*19.88*

Suitability

		C120	C120 + Vigi C120	C60H-DC	iSW (40 to 63A)
Rotary handle		■ 2P, 3P, 4P	■ 2P, 3P, 4P	■ 2P	■ ≥ at 4 modules of 9mm
Plug-in base	26995	-	-	■	■
	26997	■ ≤ 63 A	-	-	-
Padlocking device	27145	■	■	-	-
	26970	-	-	■	■

Security

Type (see below suitability)			Set of	Reference	*Price (S$)*
Screw shield			2	**18527**	*46.14*
			(4P dividable)	**26981**	*23.48*
Terminal shield	1P		2	**18526**	*78.69*
	1P	3P: 1x26975+1x26976	2	**26975**	*22.45*
	2P	4P: 2x26976	2	**26976**	*22.45*
Inter-pole barrier			10	**27001**	*30.49*
Spacer			1	**A9N27062**	*14.32*

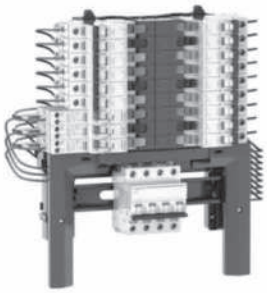
Suitability

		C120	C120 + Vigi C120	C60H-DC	iSW (40 to 63A)
Screw shield	18527	■	-	-	-
	26981	-	-	■	■
Terminal shield	18526	■	-	-	-
	26975	-	-	■	■
	26976	-	-	■	■
Inter-pole barrier	27001	■	-	■	■
Spacer	A9N27062	■	■	■	■

D

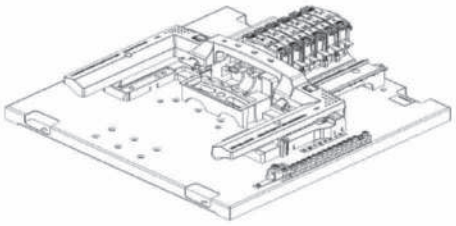
Isobar distribution board for Acti9

Unit price (excl. GST) in Singapore Dollars

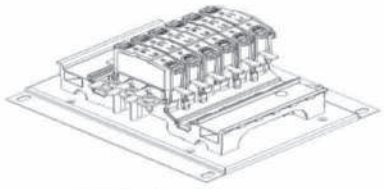


Acti9 Isobar distribution board

- B board assembly for iC60 MCBs
- 3 phase distribution
- Isobar disconnector conforms to BS EN 60947-3
- Any mix of 1,2,3,4P devices plus outgoing neutral switching
- Non removable busbar covers
- 4 to 24 triple pole ways
- Insulated neutral cover

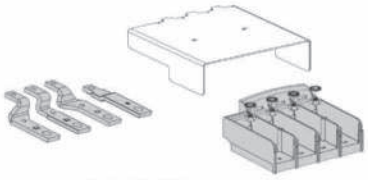


PEV structure



TNA structure

SEA9NB24



SEA9NPB250TB

No. of Ways	Description	*Reference*	*Price (S$)*
PEV Type (TP+ earth and neutral)			
24	Pan assembly 24 way TP+ E and N	**SEA9BN24PEV**	*1,446.40*
18	Pan assembly 18 way TP+ E and N	**SEA9BN18PEV**	*1,430.00*
16	Pan assembly 16 way TP+ E and N	**SEA9BN16PEV**	*1,409.60*
12	Pan assembly 12 way TP+ E and N	**SEA9BN12PEV**	*1,055.70*
8	Pan assembly 8 way TP+ E and N	**SEA9BN8PEV**	*882.30*
6	Pan assembly 6 way TP+ E and N	**SEA9BN6PEV**	*718.10*
4	Pan assembly 4 way TP+ E and N	**SEA9BN4PEV**	*553.90*
TNA Type (without neutral structure)			
24	24 TP&N way panel fixing pan assm	**SEA9BN24TNA**	*1,297.40*
18	18 TP&N way panel fixing pan assm	**SEA9BN18TNA**	*1,269.90*
16	16 TP&N way panel fixing pan assm	**SEA9BN16TNA**	*1,259.70*
12	12 TP&N way panel fixing pan assm	**SEA9BN12TNA**	*908.80*
8	8 TP&N way panel fixing pan assm	**SEA9BN8TNA**	*731.30*
6	6 TP&N way panel fixing pan assm	**SEA9BN6TNA**	*561.00*
4	4 TP&N way panel fixing pan assm	**SEA9BN4TNA**	*484.50*
Distributed neutral kit			
24	Distributed neutral for 24 way TP+N	**SEA9NB24**	*361.10*
16	Distributed neutral for 16 way TP+N	**SEA9NB16**	*348.80*
12	Distributed neutral for 12 way TP+N	**SEA9NB12**	*265.20*
8	Distributed neutral for 8 way TP+N	**SEA9NB8**	*237.70*
6	Distributed neutral for 6 way TP+N	**SEA9NB6**	*229.50*
4	Distributed neutral for 4 way TP+N	**SEA9NB4**	*213.20*
Accessories			
250 amp	Terminal block connection	**SEA9NPB250TB**	*156.60*
Phase to neutral	Conversion kit (pack of 4)	**SEA9NKIT**	*132.60*
125A	Single phase kit	**SEA9125SPEV**	*56.60*
250A	Single phase kit	**SEA9250SPEV**	*75.20*
MCCB/Interpact	Connection kit	**SEA9BINCKIT**	*657.30*
-	Blank pole	**SEA9BP**	*39.20*
-	Pole filter (Pack of 25 X 5)	**SEA9BP25**	*102.00*
-	Single 5 pole filter	**SEA9BP5**	*38.10*
100 A	Terminal block 1 pole	**SEA9TB1001**	*45.30*
-	TP&N Lables	**SEA9BNWL**	*76.20*

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Comb busbars
for Acti 9 (iC60)

Unit price (excl. GST) in Singapore Dollars

1P, 2P, 3P, 4P Comb busbars

Pole	set of	No. of 18mm modules	*Reference*	*Price (S$)*
1P	1	12	**A9XPH112**	*19.78*
	2	24	**A9XPH124**	*21.22*
2P	**1**	12	**A9XPH212**	*28.43*
	2	24	**A9XPH224**	*30.69*
3P	**1**	12	**A9XPH312**	*36.77*
	2	24	**A9XPH324**	*41.10*
4P	**1**	12	**A9XPH412**	*48.41*
	2	24	**A9XPH424**	*94.55*

Accessories

Type	set of	Nos. of pole	*Reference*	*Price (S$)*
End-piece	10	1P	**A9XPE110**	*11.50*
	10	2P	**A9XPE210**	*11.50*
	10	3P	**A9XPE310**	*11.50*
	10	4P	**A9XPE410**	*11.50*
Tooth covers	20		**A9XPT920**	*18.23*
Connectors monoconnect			**A9XPCM04**	*22.50*

D

Circuit protection

Isolatable fuse-carriers without fuse

IEC 947.3

Unit price (excl. GST) in Singapore Dollars

A9N15635

A9N15650

A9N15655

STI isolatable fuse-carriers without fuse

Pole	Size of Fuses (mm)	Voltage (V)	Ampere Rating (A)	Reference	*Price (S$)*
1P	8.5 x 31.5	400	0.5 to 20	**A9N15635**	*16.07*
	10.3 x 38	500	1 to 32	**A9N15636**	*16.07*
1P+N	8.5 x 31.5	400	0.5 to 20	**A9N15645**	*36.46*
	10.3 x 38	500	1 to 32	**A9N15646**	*36.46*
2P	8.5 x 31.5	400	0.5 to 20	**A9N15650**	*41.82*
	10.3 x 38	500	1 to 32	**A9N15651**	*41.82*
3P	8.5 x 31.5	400	0.5 to 20	**A9N15655**	*63.24*
	10.3 x 38	500	1 to 32	**A9N15656**	*63.24*

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iSW switches

Unit price (excl. GST) in Singapore Dollars

iSW control switches (20, 32 A)
IEC/EN 60669-2-4, iSW switch without indicator light.

iSW switch-disconnectors (40 to 125 A)
IEC 60947-3

Main characteristics			
		20, 32A iSW without indicator light	40 to 125A iSW
Insulation voltage (Ui)	1P	250V AC	250V AC
	2P, 3P, 4P	500V AC	500V AC
Control voltage (Ue)	1P	250V AC	250V AC
	2P, 3P, 4P	415V AC	415V AC
Rated short-circuit closing current (Inc)		3 kA	6 kA

20, 32 A iSW control switches

Type	Width in 9mm mod	Rating	Reference	*Price (S$)*
1P	2	20 A	**A9S60120**	*13.80*
		32 A	**A9S60132**	*12.57*
2P	2	20 A	**A9S60220**	*17.82*
		32 A	**A9S60232**	*19.98*
3P	4	20 A	**A9S60320**	*25.44*
		32 A	**A9S60332**	*29.46*
4P	4	20 A	**A9S60420**	*39.00*
		32 A	**A9S60432**	*35.74*

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iSW switches (cont.)

Unit price (excl. GST) in Singapore Dollars

iSW control switches (20, 32 A)
IEC/EN 60669-2-4, iSW switch without indicator light.

iSW switch-disconnectors (40 to 125 A)
IEC 60947-3

Main characteristics

		20, 32A iSW without indicator light	40 to 125A iSW
Insulation voltage (Ui)	1P	250V AC	250V AC
	2P, 3P, 4P	500V AC	500V AC
Control voltage (Ue)	1P	250V AC	250V AC
	2P, 3P, 4P	415V AC	415V AC
Rated short-circuit closing current (Inc)		3 kA	6 kA

40 to 125 A iSW switch-disconnectors

Type	Width in 9mm mod	Rating	Reference	*Price (S$)*
1P	**2**	40 A	**A9S65140**	*15.76*
		63 A	**A9S65163**	*16.79*
		100 A	**A9S65191**	*19.98*
		125 A	**A9S65192**	*22.04*
2P	**4**	40 A	**A9S65240**	*26.27*
		63 A	**A9S65263**	*29.46*
		100 A	**A9S65291**	*43.05*
		125 A	**A9S65292**	*45.22*
3P	**6**	40 A	**A9S65340**	*37.80*
		63 A	**A9S65363**	*47.28*
		100 A	**A9S65391**	*70.35*
		125 A	**A9S65392**	*81.99*
4P	**8**	40 A	**A9S65440**	*58.81*
		63 A	**A9S65463**	*66.23*
		100 A	**A9S65491**	*81.99*
		125 A	**A9S65492**	*105.06*

Auxiliary

Type	Width in 9mm mod	Voltage (Ue)	Reference	*Price (S$)*
iOF	1	240 - 415 A VC 24 - 130 V DC	**A9A26924**	*40.17*

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iPB pushbuttons

Unit price (excl. GST) in Singapore Dollars

IEC 60669-1 and IEC 60947-5-1

■ iPB pushbuttons are used to control electric circuits by means of pulses.

iPB pushbuttons

Type	Diagram	Contact	pushbutton Colour	Reference	*Price(S$)*
Single		1 NC	Grey	**A9E18030**	*12.57*
			Red	**A9E18031**	*12.57*
		1 NO	Grey	**A9E18032**	*12.57*
		1 NO+ 1 NC	Grey	**A9E18033**	*14.73*
Double		1 NO/1 NC	Green/red	**A9E18034**	*26.78*
		1 NO/1 NO	Grey/grey	**A9E18035**	*26.78*

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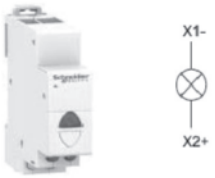
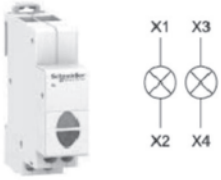
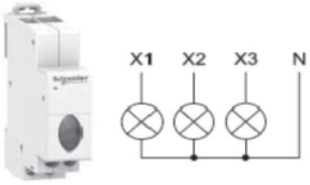
iIL indicator lights

Unit price (excl. GST) in Singapore Dollars

IEC 60947-5-1

■ iIL indicator lights light up to indicate that a voltage is present.

iIL indicator lights

Type	Diagram	Voltage	Colour	Reference	*Price(S$)*
Single		110…230 V AC	Red	**A9E18320**	*16.00*
			Green	**A9E18321**	*16.00*
			White	**A9E18322**	*16.00*
			Blue	**A9E18323**	*16.00*
			Yellow	**A9E18324**	*16.00*
Double			Green/red	**A9E18325**	*23.00*
			White/ white	**A9E18328**	*23.00*
Flashing light			Red	**A9E18326**	*78.00*
Three-phase voltage presence indicator light		230…400 V AC (3 phases)	Red/ red/ red	**A9E18327**	*55.00*

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Unit price (excl. GST) in Singapore Dollars

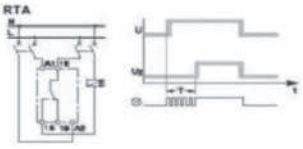
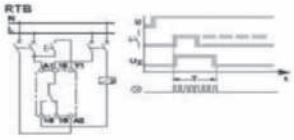
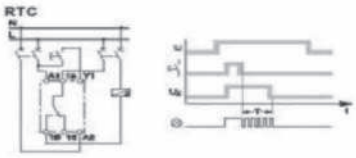
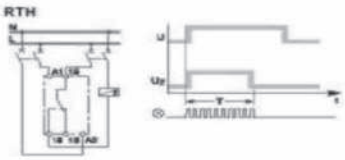
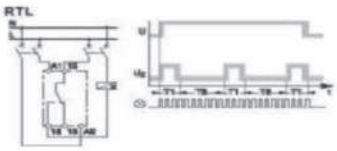
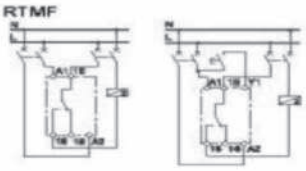
RT Time delay relays

Time delay range: 0.1 s to 100 h

Control and supply voltage:

- 24V DC ± 10%
- 24...240V AC ± 10%
- RTMF: 12…240V AC/DC ±10%

Frequency: 50…60Hz

Type	Description		Reference	*Price (S$)*
RTA	Delays energisation of a load		**16065**	218.15
RTB	Applies a time delay to energisation of a load on closing of an auxiliary contact (pushbutton)		**16066**	252.56
RTC	Delays energisation of a load on closing of an auxiliary contact (Pushbutton)		**16067**	*252.56*
RTH	Applies a time delay to de-energisation of a load		**16068**	*255.34*
RTL	Applies a time delay to energisation and de-energisation of a load for different periods of time, repeatedly (flashing indicator).		**16069**	*308.18*
RTMF	Lets you select one of the 4 time delay types: A, B, C or H		**16070**	*318.58*

D

Control components

Programmable and mechanical time switches

Unit price (excl. GST) in Singapore Dollars

Memory key

Programming kit for PC

D

Programmable time switches

230VAC ±10% 50/60Hz

Time accuracy: ±1 second per day at 20°C

Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	*Price (S$)*
24 hours and /or 7 days								
IHP 1c	1	1 min.	56	6	On / Off	16	**CCT15850**	*225.40*
IHP+1c	1	1 sec.	84	6	On / Off	16	**CCT15851**	*312.90*
IHP 2c	2	1 min.	56	6	On / Off	16	**CCT15852**	*312.90*
IHP+2c	2	1 sec.	84	6	On / Off	16	**CCT15853**	*400.50*
IHP 1c18mm	1	1 min.	28	3	On / Off	16	**CCT15854**	*235.90*
Accessories								
Programming kit for PC consist of programming device, a memory key, a CDROM and a 2m USB cable.							**CCT15860**	*215.50*
Memory key for saving and duplicating programs.							**CCT15861**	*83.70*

Mechanical time switches

230VAC ±10% 50/60Hz

Time accuracy: ±1 second per day at 20°C

24 hours or 7 days								
Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	*Price (S$)*
IHH 7d 1c ARM	1	2h	42 On - 42 Off	100 h	On / Off	16	**15331**	*221.40*
IH 24h 1c ARM	1	15 mins.	48 On - 48 Off	100 h	On / Off	16	**15336**	*110.20*

60 min, 24 hrs, 7days								
Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	*Price (S$)*
IH 60 mn 1c SRM	1	1 min. 15 s	24 On - 24 Off	none	On	16	**CCT15338**	*207.10*
IH 24h 1c SRM	1	30 min.	24 On - 24 Off	none	On	16	**CCT16364**	*111.00*
IH 24h 1c ARM	1	30 min.	24 On - 24 Off	150 h	On	16	**CCT15365**	*169.70*
IH 24h 2c ARM	2	30 min.	24 On - 24 Off	150 h	On	16	**15337**	*312.40*
IH 7d 1c ARM	1	4 h	21 On - 21 Off	150 h	On	16	**CCT15367**	*209.10*
IH 24 h + 7d 1+1c ARM	1+1	45 min. + 12 h	16 On - 16 Off + 7 On -7 Off	150 h	On	16	**15366**	*273.60*

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Control components

Light sensitive switches

Timer

Unit price (excl. GST) in Singapore Dollars

Light sensitive switches

Type	Adjustable Time Delay	Adjustable Brightness (lux)	Voltage (V)	Contact Rating (A)	Reference	*Price (S$)*
IC 200	time delay before switch ON and switch OFF ≥40s	2 - 200	220/240	10	**CCT15284**	*287.90*
IC 2000	time delay: before switch ON and switch OFF ≥ 80 s	2 - 2000	220/240	10	**CCT15368**	*410.50*

Accessories for IC light sensitive switches

Description	Type	Reference	*Price (S$)*
Spare photo-cell	Panel front face type	**15281**	119.50
	Wall type	**CCT15268**	212.00

15363

MIN Timer

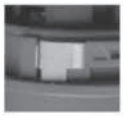
	Adjustable Time Delay	Voltage (V)	Rating (A)	Reference	*Price (S$)*
MIN	1 - 7 min	220/240	16	**15363**	*119.50*
Terminal shields for MIN timer				**15359**	*7.90*

D

PK Industrial Plugs
Low voltage

Unit price (excl. GST) in Singapore Dollars

Rapidity
¼ rotation without screws for opening and closing system



Safety
stainless-steel insert (spring)
No « accidental »
opening by general public
at temporary site

Functionality & ergonomics
□ the cap of the wander socket is provided with fin for easy maneuver during the insertion into the plug

□ comfortable handgrip even with worn gloves.

Environmentally Friendly
the used thermoplastic materials are free from halogen, cadmium, silicon and PVC and they are totally recyclable.

D

PK wander plugs

Rated votlage **V ac**	Rated current **A**	Poles and wires	Clock position of contact	Protection	Reference	*Price (S$)*
100-130	16	2P+E	4 h	IP44	**PKE16M413**	*13.87*
200-250	16	2P+E	6 h	IP44	**PKE16M423**	*10.06*
	32	2P+E	6 h	IP44	**PKE32M423**	*18.94*
380-415	16	3P+E	6 h	IP44	**PKE16M434**	*14.89*
		3P+N+E	6 h	IP44	**PKE16M435**	*19.18*
	32	3P+E	6 h	IP44	**PKE32M434**	*19.18*
		3P+N+E	6 h	IP44	**PKE32M435**	*24.50*
	63	3P+E	6 h	IP67	**81382**	*66.54*
		3P+N+E	6 h	IP67	**81383**	*68.60*
	125	3P+E	6 h	IP67	**81394**	*194.05*
		3P+N+E	6 h	IP67	**81395**	*212.18*

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PK Industrial Plugs

Low voltage (Cont.)

Unit price (excl. GST) in Singapore Dollars

PK Sockets

Wander sockets		Wall-mounted sockets		Panel mounted sockets	
Reference	*Price (S$)*	Reference	*Price (S$)*	Reference	*Price (S$)*
PKF16M413	*17.70*	**83101**	*32.14*	**PKF16F413**	*20.12*
PKF16M423	*12.31*	**83104**	*24.72*	**PKF16F423**	*14.60*
PKF32M423	*22.26*	**83116**	*34.40*	**PKF32F423**	*26.00*
PKF16M434	*17.70*	**83108**	*27.91*	**PKF16F434**	*19.80*
PKF16M435	*21.19*	**83109**	*31.11*	**PKF16F435**	*22.90*
PKF32M434	*29.78*	**83120**	*42.85*	**PKF32F434**	*28.76*
PKF32M435	*35.09*	**83121**	*47.17*	**PKF32F435**	*31.82*
81482	*108.36*	**81182**	*112.48*	**81282**	*83.64*
81483	*116.80*	**81183**	*132.87*	**81283**	*91.05*
81494	*263.68*	**81194**	*278.62*	**81294**	*494.09*
81495	*293.65*	**81195**	*307.66*	**81295**	*533.75*

Switch-Disconnectors

Compact INS40 to 160
Complete fixed/FC device and accessories E1

Compact INS250 to 630
Complete fixed/FC device and accessories E2

Compact INS630b to 2500
Complete fixed/FC device and accessories E3

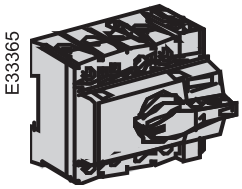
E

INS40 to 160

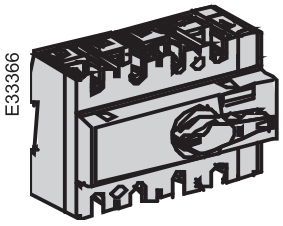
Complete fixed/FC device and accessories

Unit price (excl. GST) in Singapore Dollars

Compact INS40 to 160 standard version with black handle



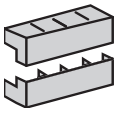
	3 Pole		4 Pole	
Compact INS40	**28900**	*126.50*	**28901**	*140.10*
Compact INS63	**28902**	*149.00*	**28903**	*190.60*
Compact INS80	**28904**	*166.90*	**28905**	*188.50*
Compact INS80PV - Photovoltaic			**28907**	*201.00*



	3 Pole		4 Pole	
Compact INS100	**28908**	*206.10*	**28909**	*231.60*
Compact INS125	**28910**	*306.00*	**28911**	*346.50*
Compact INS160	**28912**	*370.30*	**28913**	*421.30*

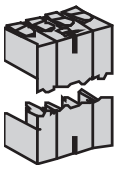
Connection accessories

Terminal shrouds



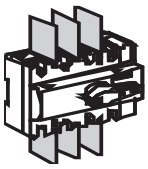
Compact INS40 to 80	3P/4P	Set of 2	**28955**	*45.20*
Compact INS100 to 160	3P/4P	Set of 2	**28956**	*56.70*

Terminal shields



Compact INS40 to 80	3P/4P	Set of 2	**28957**	*62.00*
Compact INS100 to 160	3P/4P	Set of 2	**28958**	*74.60*

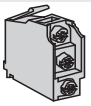
Interphase barriers



Compact INS100 to 160	3P/4P	Set of 6	**28959**	*31.50*

Electrical auxiliaries

Auxiliary contacts



1 OF / CAF / CAO (standard)	INS40 to 160	**29450**	*65.30*
1 OF / CAF / CAO (low level)	INS40 to 160	**29452**	*104.10*

Rotary handles

Accessories for conversion to extended rotary handles

Front control	Black handle	INS40 to 160	**LV428941**	*72.80*
	Red handle on yellow front	INS40 to 160	**LV428942**	*72.80*

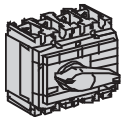
E

INS250 to 630

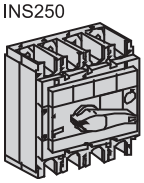
Complete fixed/FC device and accessories

Unit price (excl. GST) in Singapore Dollars

Compact INS250 to 630 standard version with black handle



INS250



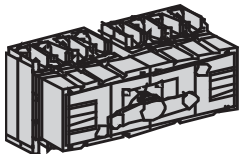
INS320 - 630

	3 Pole		4 Pole	
Compact INS250	**31106**	*483.50*	**31107**	*533.60*
Compact INS320	**31108**	*817.90*	**31109**	*976.60*
Compact INS400	**31110**	*882.80*	**31111**	*1,041.40*
Compact INS500	**31112**	*1,281.30*	**31113**	*1,474.80*
Compact INS630	**31114**	*1,434.20*	**31115**	*1,659.90*

Source changeover systems

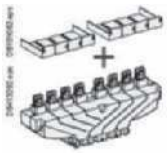
Complete assembly

E89638



	3 Pole		4 Pole	
With Compact INS250	**31146**	*1,508.00*	**31147**	*1,600.60*
With Compact INS320	**31148**	*2,413.90*	**31149**	*2,720.70*
With Compact INS400	**31150**	*2,995.20*	**31151**	*3,380.00*
With Compact INS500	**31152**	*3,345.70*	**31153**	*3,737.80*
With Compact INS630	**31154**	*3,652.50*	**31155**	*4,112.20*

Downstream coupling accessories



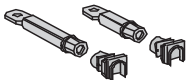
Short terminal shields (1 pair) + "normal source/"replacement' source	3/4 Pole	
INS250/INS250	**LV429359**	*889.20*
INS320 to INS630/INS320 to INS630	**LV432620**	*1,136.80*

E

Connection accessories

Rear connections

E18579



		INS250		INS320-630	
Short (1 pair)		**LV429235**	*77.70*	**LV432475**	*131.30*
Long (1 pair)		**LV429236**	*111.30*	**LV432476**	*215.30*

Terminal shields

1 Short	3/4 P	**LV429516**	*26.00*	**LV432592**	*35.70*
1 Long	3/4 P	**LV429518**	*31.50*	**LV432594**	*69.30*
Long for 52.5 mm spreader (supplied with insulating plate)	3/4 P			**LV432596**	*73.50*

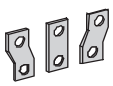
Interphase barriers

E18606

	Set of 6	**LV429329**	*27.30*	**LV432570**	*34.70*

Spreaders (for upstream or downstream connection)

E18599



			INS320-630	
One-piece	52.5 mm	3P	**LV432490**	*62.40*
		4P	**LV432491**	*75.50*
	70 mm	3P	**LV432492**	*106.10*
		4P	**LV432493**	*151.90*

Electrical auxiliaries

Auxiliary contacts (changeover type)

E18608

OF or CAM (early make or break)	**29450**	*65.30*
Low level OF or CAM (early make or break)	**29452**	*104.10*

Rotary handles

Extended front control

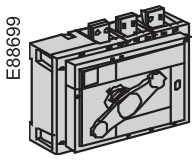
For Compact INS250 with standard rotary handle	**LV431050**	*292.60*
For Compact INS320/400/630 with standard rotary handle	**31052**	*361.60*
For complete source changeover assembly	**31055**	*378.00*

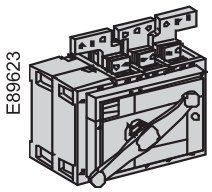
Life Is On Schneider Electric

INS630b to 2500
Complete fixed/FC device and accessories

Unit price (excl. GST) in Singapore Dollars

Compact INS630b to 2500 standard version with black handle


E88699


E89623

	3 Pole		4 Pole	
Compact INS630b	**31342**	*2,950.90*	**31343**	*3,138.50*
Compact INS800	**31330**	*3,059.00*	**31331**	*3,178.30*
Compact INS1000	**31332**	*3,957.60*	**31333**	*4,256.50*
Compact INS1250	**31334**	*4,706.30*	**31335**	*5,065.30*
Compact INS1600	**31336**	*5,284.60*	**31337**	*5,874.20*

Connection accessories

Spreaders

E88703

Compact INS630b-1600	3P	Set of 3	**31305**	*479.40*
	4P	Set of 4	**31306**	*637.50*

Insulation accessories

Terminal shield (requires base for terminal shield)

E88705

Compact INS630b/1600	3P	**LV433638**	*135.70*
	4P	**LV433639**	*164.20*

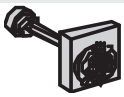
Electrical auxiliaries

Auxiliary contacts (changeover type)

E18608

OF or CAM (early make or break)		**29450**	*65.30*
OF or CAM low level (early make or break)		**29452**	*104.10*

Extended front control



Compact INS630b-2500	For standard rotary handle	**31288**	*419.30*

Installation accessories

Escutcheon

E88707

Compact INS630b-2500	3P/4P	**31295**	*111.20*

E

Earth Leakage Relays

Vigirex
Vigirex RH21, RH99 with local manual fault reset, Vigirex RHU with local fault reset (communicating) F1

Sensors
Closed toroids, A-type F1

F

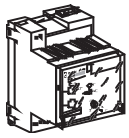
Residual current protection relays

Unit price (excl. GST) in Singapore Dollars

RH86 with local manual fault reset

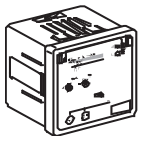
System to be protected: LV < 1000 V

RH21M



DIN-rail mount.

RH21P



Front-panel mount.

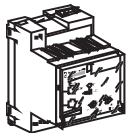
Sensitivity 0.03A - instantaneous
Sensitivity 0.3A - instantaneous or with 0.06 s time delay

Power supply		Reference	*Price (S$)*	Reference	*Price (S$)*
12 to 24 V AC - 12 to 48 V DC	50/60 Hz	**56160**	*386.40*	**56260**	*344.80*
110 to 130 V AC	50/60 Hz	**56162**	*386.40*	**56262**	*385.60*
220 to 240 V AC	50/60/400 Hz	**56163**	*386.40*	**56263**	*385.60*
380 to 415 V AC	50/60 Hz	**56164**	*386.40*	**56264**	*385.60*
440 to 525 V AC	50/60 Hz	**56165**	*386.40*	**56265**	*385.60*

RH99 with local manual fault reset

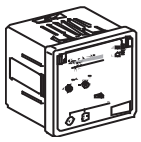
System to be protected: LV ≤ 1000 V

RH99M



DIN-rail mount.

RH99P



Front-panel mount.

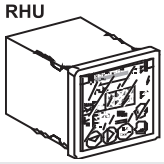
Sensitivity 30 mA to 30 A - instantaneous or with 0 to 4.5 s time delay

Power supply		Reference	*Price (S$)*	Reference	*Price (S$)*
12 to 24 V AC - 12 to 48 V DC	50/60 Hz	**56170**	*393.80*	**56270**	*385.60*
110 to 130 V AC	50/60 Hz	**56172**	*393.80*	**56272**	*385.60*
220 to 240 V AC	50/60/400 Hz	**56173**	*393.80*	**56273**	*385.60*
380 to 415 V AC	50/60 Hz	**56174**	*393.80*	**56274**	*385.60*
440 to 525 V AC	50/60 Hz	**56175**	*393.80*	**56275**	*385.60*

RHU with local manual fault reset (communicating)

System to be protected: LV < 1000 V

RHU



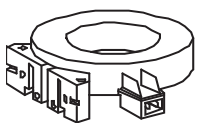
Alarm: sensitivity 15 mA to 30 A - instantaneous or with 0 to 5 s time delay
Fault: sensitivity 30 mA to 30 A - instantaneous or with 0 to 5 s time delay

Single-phase power supply	Voltage	Frequency	Reference	*Price (S$)*
	110 to 130 V AC	50/60 Hz	**LV481002**	*1,373.00*
	220 to 240 V AC	50/60/400 Hz	**LV481003**	*1,373.00*

Sensors

Closed toroids, A-type

E89652



Type	Ie (A) rated operational current	Inside diameter (mm)	Reference	*Price (S$)*
TA30	65	30	**50437**	*84.70*
PA50	85	50	**50438**	*182.60*
IA80	160	80	**50439**	*290.70*
MA120	250	120	**50440**	*524.30*
SA200	400	200	**50441**	*1,048.60*
GA300	630	300	**50442**	*1,572.60*

F

Control & protection components

TeSys contactors

SK Mini-contactors and accessories G1
K Contactors G2
Accessories and thermal overload relays for K contactors G4
TeSys D contactors G6
Auxiliaries and accessories for TeSys D contactors G11
TeSys D thermal overload relays and accessories G14
TeSys T Motor Management System LTMR G17
F contactors G18
F range electronic thermal overload relays LR9F G20

TeSys protection components

Thermal-magnetic motor circuit breakers GV2ME G21
Thermal-magnetic motor circuit breakers GV2P,GV3P and GV3ME80 G22
Magnetic motor circuit-breakers GV3L G22
Thermal-magnetic motor circuit breakers GV7R and GV2RT G23
Add-on blocks and accessories for GV2, GV3P G24
Add-on blocks and accessories for GV3ME80 and GV7R G25
Accessories for GV2 and GV7R G26

TeSys motor starters

Pre-assemnly combination starters GV2DM G27
Sub-assembly DOL motor staters by customer G28
Sub-assembly Star-Delta motor starters by customer G30
Sub-assembly Auto-Transformer motor starters by customer G34
Sub-assembly DOL starters with circuit breaker and overload protection built into circuit breaker G36

Enclosed motor starters

DOL starter with 3-phase thermal overload relay G38

TeSys motor starters - open version

TeSys U starter-controllers
- Non Reversing power bases and auxiliary and accessories G39

Model U starter-controllers
- Standard and advanced control units G41
- Multifunction control units and accessories G42
- Function modules and parallel wiring module G43
- Modbus communication modules and pre-wired coil connection components G44

Communication gateways LUF P G45

CA Control relays

CA●SK control relays and accessories G46
CA●K control relays and accessories G47
CAD control relays and accessories G48

G

TeSys contactors

Mini-contactors, models LC1SK, LP1SK & LC1SKGC
Up to 9A in utilisation category AC-3,
Up to 20A in utilisation category AC-1

unit price (excl. GST in Singapore Dollars)

Mini-contactors for motor control

LC1-SK06

Standard power ratings of 3- phase motors 50/60 Hz in category AC-3 (1)			Rated operational voltage in AC3	Non inductive loads max. current utilisation	No of power pole	Aux. contact	**Basic reference, to be completed** by adding the voltage code	**Price(S$)** included basic ref. c/w coil
220V 230V	380V 415V	660V 690V	up to 400V	cat. AC-1			*(2)*	
kW	**kW**	**kW**	**A**	**A**				**(unit)**
1.1	2.2	2.2	6	12	2		**LC1SK0600●●**	*27.60*
			-	12	2		**LP1SK0600●●** (for use with DC coil)	*30.10*
-	-	-	5	20	2		**LC1SKGC200●●**	*31.80*
1.1	4	4	9	20	3	1N/O	**LC1SKGC310●●**	*31.80*
					3	1N/C	**LC1SKGC301●●**	*31.80*
					4	-	**LC1SKGC400●●**	*39.50*

Add-on block with 1 power pole (for 3 phase circuits)

LA1-SK10

For use on contactor	Number of power poles	Instantaneous aux. contacts		**Reference**	**Price(S$)**
		N/O	**N/C**		**(unit)**
LC1SK06 clip-on front mounting	1	1	-	**LA1SK10**	*13.00*
	1	-	1	**LA1SK01**	*13.00*

Instantaneous auxiliary contact blocks (clips-on front mounting)

LA1-SK11

For use on contactor	Max. number of blocks per contactors	Composition **N/O**	**N/C**	**Reference**	**Price(S$)** **(unit)**
LC1SK06	1	2	-	**LA1SK20**	*13.00*
		-	2	**LA1SK02**	*13.00*
		1	1	**LA1SK11**	*13.00*

Coil suppressor modules (connection without tool by clipping onto right-hand side)

LA4-SK●1●

For use on contactor	Type	For voltage	Sold in lot of	**Reference**	**Price(S$)** **lot of 10**
LC1SK06,	Varistor	24…48V ac/dc	10	**LA4SKE1E**	*155.00*
LP1SK06,		110…250V ac/dc	10	**LA4SKE1U**	*155.00*
LC1SKGC	Diode	24…250V dc	10	**LA4SKC1U**	*155.00*

(1) For use in category AC-3, and on 3-phase circuits, order separately an add-on block with 1 power pole LA1-SKll to be fitted on the contactor.

(2) Standard control circuit voltages. Consult us for other coil voltages.

Replace suffix ●● with below voltage code

Mini-contactor LC1SK and LC1SKGC							
Volts 50/60Hz	**24**	**48**	**110**	**220**	**230**	**240**	**400**
Code	B7	E7	F7	M7	P7	U7	V7
Mini-contactor LP1SK							
Volts DC	**12**	**24**	**36**	**48**			
Code	JD	BD	CD	ED			

G

TeSys contactors

K contactors for motor control

6 to 16A in utilisation category AC-3, 6 to 12A in cat. AC-4

Control circuit: a.c. /d.c. or low consumption

unit price (excl. GST in Singapore Dollars)

K contactors for motor control

- Mounting on 35mm rail or diameter 4 screw fixing
- Screws in open "ready- to- tighten" position.
- Screw clamp connections

LC1-K0910●●

LP1-K0910●●

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3		Rated operational current in AC-3 up to 440V	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code *(1)*	Price(S$) included basic ref. c/w coil
220/230V	380/415V					
kW	**kW**	**A**	**N/O**	**N/C**		**(unit)**
3-pole contactors for standard applications *(2)*						
1.5	2.2	6	1	-	**LC1K0610●●**	*22.60*
			-	1	**LC1K0601●●**	*22.60*
2.2	4	9	1	-	**LC1K0910●●**	*27.70*
			-	1	**LC1K0901●●**	*27.70*
3	5.5	12	1	-	**LC1K1210●●**	*35.90*
			-	1	**LC1K1201●●**	*35.90*
4	7.5	16	1	-	**LC1K1610●●**	*56.40*
			-	1	**LC1K1601●●**	*56.40*
3-pole contactors, d.c. supply *(1) (3)*						
1.5	2.2	6	1	-	**LP1K0610●●**	*30.00*
			-	1	**LP1K0601●●**	*30.00*
2.2	4	9	1	-	**LP1K0910●●**	*36.90*
			-	1	**LP1K0901●●**	*36.90*
3	5.5	12	1	-	**LP1K1210●●**	*52.10*
			-	1	**LP1K1201●●**	*52.10*
3-pole low consumption contactors *(1) (3)*						
1.5	2.2	6	1	-	**LP4K0610●●●**	*62.50*
			-	1	**LP4K0601●●●**	*62.50*
2.2	4	9	1	-	**LP4K0910●●●**	*62.70*
			-	1	**LP4K0901●●●**	*62.70*
3	5.5	12	1	-	**LP4K1210●●●**	*79.00*
			-	1	**LP4K1201●●●**	*79.00*

Auxiliary contact blocks and add-on modules: see page G4 and G5

(1) Standard control circuit voltages. Consult us for other coil voltages.

Replace suffix ●● with below voltage code

a.c. coil for contactor LC1K & LC2K (0.8…1.15 Uc) (0.85…1.1Uc)							
Volts ~ 50/60 Hz	**24** (2)	**48**	**110**	**220/ 230**	**230**	**230/ 240**	**400/ 415**
Code	B7	E7	F7	M7	P7	U7	N7
d.c. coil for contactor LP1K & LP2K (0.8…1.15 Uc)							
Volts DC	**12**	**24**(3)	**48**	**110**	**220**		
Code	JD	BD	ED	FD	MD		

Replace suffix ●●● with below voltage code

low consumption coil for contactor LP4K & LP5K (0.7…1.30 Uc)			
Volts	**12**	**24**	**48**
Code	JW3	BW3	EW3

(2) For LC1K, main supplies with high level of interface (voltage surge >800V), use a suppressor module LA4KE1FC (50…129V) or LA4KE1UG (130…250V

(3) For LP1K only, when connecting an electronic sensor or timer in series with the contactor coil, select a 20V coil dc control circuit voltage code ZD so as to compensate for the incurred voltage drop.

TeSys contactors

K contactors for control in utilisation category AC-1, 20A
Control circuit: a.c. /d.c. or low consumption

unit price (excl. GST in Singapore Dollars)

K contactors for control in utilisation category AC-1

- Mounting on 35mm rail or diameter 4 screw fixing
- Screws in open "ready- to- tighten" position.
- Screw clamp connections

LP1-K0910●●

LP1-K09103●●

LP4-K09004●●●

Non inductive loads Category AC-1 Maximum current at θ ≤ 50°C	Number of poles		Instantaneous auxiliary contacts		**Basic reference, to be completed** by adding the voltage code *(1)*	**Price(S$)** included basic ref. c/w coil
A	**N/O**	**N/C**	**N/O**	**N/C**		**(unit)**
3 or 4-pole contactors for standard applications *(2)*						
20	3	-	1	-	**LC1K0910●●**	*27.70*
					or **LC1K1210●●**	*35.90*
	3	-	-	1	**LC1K0901●●**	*27.70*
					or **LC1K1201●●**	*35.90*
	4	-	-	-	**LC1K09004●●**	*49.20*
					or **LC1K12004●●**	*67.70*
	2	2	-	-	**LC1K09008●●**	*49.20*
3 or 4-pole contactors, d.c. supply						
20	3	-	1	-	**LP1K0910●●**	*36.90*
					or **LP1K1210●●**	*52.10*
	3	-	-	1	**LP1K0901●●**	*36.90*
					or **LP1K1201●●**	*52.10*
	4	-	-	-	**LP1K09004●●**	*91.30*
					or **LP1K12004●●**	*128.10*
	2	2	-	-	**LP1K09008●●**	*91.30*
3 and 4 pole low consumption contactors						
20	3	-	1	-	**LP4K0910●●●**	*62.70*
					or **LP4K1210●●●**	*79.00*
	3	-	-	1	**LP4K0901●●●**	*62.70*
					or **LP4K1201●●●**	*79.00*
	4	-	-	-	**LP4K09004●●●**	*77.90*
					or **LP4K12004●●●**	*110.70*
	2	2	-	-	**LP4K09008●●●**	*77.90*

Auxiliary contact blocks and add-on modules: see page G4 and G5

(1) Standard control circuit voltages, see page G2

(2) For main supplies with high level of interface (volatge surge> 800V), use a suppressor module LA4KE1FC (50…129V) or LA4KE1UG (130…250V).

TeSys contactors

K contactors

type LC●-K and LP●-K

Auxiliary contact blocks and suppressor modules

unit price (excl. GST in Singapore Dollars)

Instantaneous auxiliary contact blocks

LA1-KN20

Recommended for standard applications.

Clip-on front mounting. 1 block per contactor

Type of connection	For use on contactor	Compostion N/O	N/C	Reference	Price(S$) (unit)
Screw clamps	All products with screw clamps	2	-	**LA1KN20**	*13.40*
		-	2	**LA1KN02**	*13.40*
		1	1	**LA1KN11**	*13.40*
	All products with screw clamps except low consumption	4	-	**LA1KN40**	*24.60*
		3	1	**LA1KN31**	*24.60*
		2	2	**LA1KN22**	*24.60*
		1	3	**LA1KN13**	*24.60*
		-	4	**LA1KN04**	*24.60*

Electronic time delay auxiliary contact blocks

LA2-KT2●

Clip-on front mounting, 1 block per contactor

- Relay output, with common point changeover contact, 240 Vac or dc, 2A maximum
- Control voltage :0.85…1.1Uc.
- Maximum switching capacity: 250VA or 150W.
- Operating temperature: -10…+60°C
- Reset time: 1.5s during the time delay period, 0.5s after the time delay period.

Voltage (V)	Type	Timing range sec.	Composition C/O	Reference	Price(S$) (unit)
a.c. or d.c. 24…48	On-delay	1…30	1	**LA2KT2E**	*110.70*
a.c. 110…240	On-delay	1…30	1	**LA2KT2U**	*110.70*

Suppressor modules incorporating LED indicator

LA4-K…

Clip-on fixing on the front of contactors LC1 and LP1, with locating device.

No tools required.

Type	For Voltages	Reference	Price (S$) (unit)
Varistor (1)	12…24V AC/DC	**LA4KE1B**	*23.60*
Diode + Zener diode (2)	12…24V DC	**LA4KC1B**	*23.60*
RC (3)	220…250V AC	**LA4KA1U**	*23.60*

(1) Protection by limitation of the transcient voltage up to 2 Uc maximum.
Maximum reduction of transcient voltage peaks.
Slight-time delay on drop-out (1.1 to 1.5 times the normal time).

(2) No overvoltage or oscillation frequency.
Polarised component.
Slight-time delay on drop-out (1.1 to 1.5 times the normal time).

(3) Protection by limitation of the transcient voltage up to 3 Uc max. and limitation of the oscillating frequency.
Slight time delay on drop-out (1.2 to 2 times the normal time).

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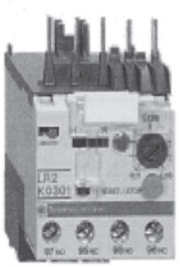
TeSys contactors

Thermal overload relays LR2K adjustable from 0.11 to 16A

unit price (excl. GST in Singapore Dollars)

Theremal overload relays with screw clamp terminals adjustable from 0.1 to 16A



LR2-K0301

Class 10A

(the standard specifies a tripping time of between 2 and 10 seconds at 7.2 In)

Relay setting range	Fuses to be used with selected relay			Reference	Price (S$)
	aM	gG	BS88		
(A)	**A**	**A**	**A**		**(unit)**
0.11 - 0.16	0.25	0.5	-	**LR2K0301**	*45.10*
0.16 - 0.23	0.25	0.5	-	**LR2K0302**	*45.10*
0.23 - 0.36	0.5	1	-	**LR2K0303**	*46.20*
0.36 - 0.54	1	1.6	-	**LR2K0304**	*46.20*
0.54 - 0.80	1	2	-	**LR2K0305**	*46.20*
0.80 - 1.20	2	4	6	**LR2K0306**	*41.90*
1.20 - 1.80	2	6	6	**LR2K0307**	*41.90*
1.80 - 2.60	4	8	10	**LR2K0308**	*41.90*
2.60 - 3.70	4	10	16	**LR2K0310**	*41.90*
3.70 - 5.50	6	16	16	**LR2K0312**	*41.90*
5.50 - 8.00	8	20	20	**LR2K0314**	*46.20*
8.00 - 11.5	10	25	20	**LR2K0316**	*46.20*
10.0 - 14.0	16	32	25	**LR2K0321**	*48.20*
12.0 - 16.0	20	40	32	**LR2K0322**	*48.20*

TeSys contactors

TeSys D 3 pole contactors for motor control up to 75kW at 400 V, in category AC-3

unit price (excl. GST in Singapore Dollars)

TeSys D 3-pole contactors for motor control

LC1 D09●●

LC1 D25●●

LC1 D65A●●

LC1 D95●●

LC1 D115●●

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 at θ ≤ 60 °C			Rated operational current in AC-3 up to 440V	Instantaneous auxiliary contacts		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil
230V	400V	415V						
kW	**kW**	**kW**	**A**	**N/O**	**N/C**			**(unit)**
Connection by screw clamp terminals								
2.2	4	4	9	1	1	A.C.	**LC1D09●7**	*27.90*
						D.C.	**LC1D09●D**	*64.10*
						L.C.	**LC1D09●L**	*65.90*
3	5.5	5.5	12	1	1	A.C.	**LC1D12●7**	*35.00*
						D.C.	**LC1D12●D**	*69.60*
						L.C.	**LC1D12●L**	*74.40*
4	7.5	9	18	1	1	A.C.	**LC1D18●7**	*47.60*
						D.C.	**LC1D18●D**	*90.50*
						L.C.	**LC1D18●L**	*95.00*
5.5	11	11	25	1	1	A.C.	**LC1D25●7**	*72.50*
						D.C.	**LC1D25●D**	*112.60*
						L.C.	**LC1D25●L**	*118.90*
7.5	15	15	32	1	1	A.C.	**LC1D32●7**	*85.00*
						D.C.	**LC1D32●D**	*116.30*
						L.C.	**LC1D32●L**	*122.80*
9	18.5	18.5	38	1	1	A.C.	**LC1D38●7**	*127.40*
						D.C.	**LC1D38●D**	*177.80*
						L.C.	**LC1D38●L**	*187.90*
Power connections by EverLink® BTR screw connectors *(2)* **and control by spring terminals**								
11	18.5	22	40	1	1	A.C.	**LC1D40A●7**	*177.70*
						D.C.(3)	**LC1D40A●D**	*232.80*
15	22	25	50	1	1	A.C.	**LC1D50A●7**	*195.50*
						D.C.(3)	**LC1D50A●D**	*260.20*
18.5	30	30	65	1	1	A.C.	**LC1D65A●7**	*240.90*
						D.C.(3)	**LC1D65A●D**	*311.90*
Connection by screw clamp terminals or connectors								
22	37	45	80	1	1	A.C.	**LC1D80●7**	*274.70*
						D.C.	**LC1D80●D**	*360.40*
25	45	45	95	1	1	A.C.	**LC1D95●7**	*330.10*
						D.C.	**LC1D95●D**	*392.20*
30	55	59	115	1	1	A.C.	**LC1D115●7**	*447.50*
						D.C.	**LC1D115●D**	*627.90*
40	75	80	150	1	1	A.C.	**LC1D150●7**	*568.60*
						D.C.	**LC1D150●D**	*692.00*

Auxiliary contact blocks and add-on modules: see page G11 to G13

(1) Standard control circuit voltages. Consult us for other voltages.

A.C. supply (Replace suffix ●7 with below control circuit voltage code)

Volts	**24**	**48**	**110**	**220**	**230**	**240**	**380**	**415**	**440**
LC1D09…D150 (D115 and D150 coils with integral suppression device fitted as standard)									
50/60 Hz	B7	E7	F7	M7	P7	U7	Q7	N7	R7

D.C. supply (Replace suffix ●D with below control circuit voltage code)

Volts	**24**	**48**	**110**	**220**	Price (S$)
LC1D09…D65A (coils with integral suppression device fitted as standard)					
U 0.7…1.25Uc	BD	ED	FD	MD	
LC1-D80…D95					
U 0.85…1.1 Uc	BD	ED	FD	MD	
U 0.75…1.2 Uc	BW	EW	FW	MW	**Add 5%**
LC1-D115 and **D150** (coils with integral suppression device fitted as standard)					
U 0.75…1.2 Uc	**BD**				

L.C. is Low consumption coil (Replace suffix ●L with below control circuit voltage code)

Volts	**24**	**110**
LC1D09…D38 (coils with integral suppression device fitted as standard) **and LC1DT20…DT40**		
U 0.7…1.25 Uc	BL	FL

(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LAD ALLEN4)

(3) For low consumption kit LA4 DBL

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TeSys contactors

TeSys D 3-pole contactors

for control in utilisation category AC-1, 25 to 200A

unit price (excl. GST in Singapore Dollars)

TeSys D 3-pole contactors for control in utilisation category AC-1

Non inductive loads max. current utillisation cat. AC-1 at θ ≤ 60 °C	Number of poles		Instantaneous auxiliary contacts contacts			Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil
A	**N/O**	**N/C**	**N/O**	**N/C**				**(unit)**
Connection by screw clamp terminals								
25	3	-	1	1		A.C.	**LC1D09●7**	*27.90*
						D.C.	**LC1D09●D**	*64.10*
						L.C.	**LC1D09●L**	*65.90*
					or	A.C.(3)	**LC1D12●7**	*35.00*
						D.C.	**LC1D12●D**	*69.60*
						L.C.	**LC1D12●L**	*74.40*
32	3	-	1	1		A.C.	**LC1D18●7**	*47.60*
						D.C.	**LC1D18●D**	*90.50*
						L.C.	**LC1D18●L**	*95.00*
40	3	-	1	1		A.C.	**LC1D25●7**	*72.50*
						D.C.	**LC1D25●D**	*112.60*
						L.C.	**LC1D25●L**	*118.90*
50	3	-	1	1		A.C.	**LC1D32●7**	*85.00*
						D.C.	**LC1D32●D**	*116.30*
						L.C.	**LC1D32●L**	*122.80*
					or	A.C.(4)	**LC1D38●7**	*127.40*
						D.C.	**LC1D38●D**	*177.80*
						L.C.	**LC1D38●L**	*187.90*
Power connections by EverLink® BTR screw connectors *(2)* **and control by spring terminals**								
60	3	-	1	1		A.C.	**LC1D40A●7**	*177.70*
						D.C.	**LC1D40A●D**	*232.80*
80	3	-	1	1		A.C.	**LC1D50A●7**	*195.50*
						D.C.	**LC1D50A●D**	*260.20*
					or	A.C.(4)	**LC1D65A●7**	*240.90*
						D.C.	**LC1D65A●D**	*311.90*
Connection by screw clamp terminals or connectors								
125	3	-	1	1		A.C.	**LC1D80●7**	*274.70*
						D.C.	**LC1D80●D**	*360.40*
					or	A.C.(4)	**LC1D95●7**	*330.10*
						D.C.	**LC1D95●D**	*392.20*
200	3	-	1	1		A.C.	**LC1D115●7**	*447.50*
						D.C.	**LC1D115●D**	*627.90*
					or	A.C.(4)	**LC1D150●7**	*568.60*
						D.C.	**LC1D150●D**	*692.00*

Auxiliary contact blocks and add-on modules: see page G11 to G13

(1) See note (1) on page G6.

(2) See note (2) on page G6.

(3) Selection according to the number of operating cycles, see AC-1 curve in catalogue.

*(4) For use with power connection module **LAD341** or outgoing terminal block **LAD331.***

TeSys contactors

TeSys D 4-pole contactors

for control in utilisation category AC-1, 20 to 200 A

unit price (excl. GST in Singapore Dollars)

TeSys D 4-pole contactors for motor control

LC1-DT20

Non inductive loads max. current utillisation cat. AC-1 at θ ≤ 60 °C	Number of poles		Instantaneous auxiliary contacts contacts		Control circuit voltage	Basic reference, to be completed by adding the voltage code *(1)*		Price (S$) included basic ref. c/w coil
A	**N/O**	**N/C**	**N/O**	**N/C**				**(unit)**
Connection by screw clamp terminals								
20	4	-	1	1	A.C.	**LC1DT20●7**		*53.00*
					D.C.	**LC1DT20●D**		*79.90*
					L.C.	**LC1DT20●L**		*95.00*
	2	2	1	1	A.C.	**LC1D098●7**		*57.40*
					D.C.	**LC1D098●D**		*85.00*
					L.C.	**LC1D098●L**		*111.80*
25	4	-	1	1	A.C.	**LC1DT25●7**		*56.00*
					D.C.	**LC1DT25●D**		*88.00*
					L.C.	**LC1DT25●L**		*97.00*
	2	2	1	1	A.C.	**LC1D128●7**		*65.60*
					D.C.	**LC1D128●D**		*89.00*
					L.C.	**LC1D128●L**		*105.00*
32	4	-	1	1	A.C.	**LC1DT32●7**		*89.00*
					D.C.	**LC1DT32●D**		*109.00*
					L.C.	**LC1DT32●L**		*133.00*
	2	2	1	1	A.C.	**LC1D188●7**		*97.00*
					D.C.	**LC1D188●D**		*109.00*
					L.C.	**LC1D188●L**		*125.00*
40	4	-	1	1	A.C.	**LC1DT40●7**		*101.00*
					D.C.	**LC1DT40●D**		*133.00*
					L.C.	**LC1DT40●L**		*155.00*
	2	2	1	1	A.C.	**LC1D258●7**		*108.00*
					D.C.	**LC1D258●D**		*188.00*
					L.C.	**LC1D258●L**		*188.00*
Power connections by EverLink® BTR screw connectors and control by spring terminals								
60	4	-	1	1	A.C.	**LC1DT60A●7**	*(2)*	*208.00*
					D.C.	**LC1DT60A●D**	*(2)*	*369.00*
	2	2	-	-	A.C.	**LC1D40008●7**		*223.50*
					D.C.	**LP1D40008●D**		*383.40*
					D.C.	**LP1D40008●W**		*401.80*
80	4	-	1	1	A.C.	**LC1DT80A●7**	*(2)*	*314.70*
					D.C.	**LC1DT80A●D**	*(2)*	*538.00*
	2	2	-	-	A.C.	**LC1D65008●7**		*314.70*
					D.C.	**LP1D65008●D**		*541.00*
					D.C.	**LP1D65008●W**		*578.00*
Connection by screw clamp terminals or connectors								
125	4	-	-	-	A.C.	**LC1D80004●7**		*534.00*
					D.C.	**LP1D80004●D**		*788.00*
					D.C.	**LP1D80004●W**		*838.00*
	2	2	-	-	A.C.	**LC1D80008●7**		*573.00*
					D.C.	**LP1D80008●D**		*798.00*
					D.C.	**LP1D80008●W**		*848.00*
200	4	-	-	-	A.C.	**LC1D115004●7**		*698.10*
					D.C.	**LC1D115004●D**		*899.00*

Auxiliary contact blocks and add-on modules: see page G11 to G13

(1) Standard control circuit voltages. Consult us for other voltages.

A.C. supply (Replace suffix ●7 with below control circuit voltage code)

Volts	**24**	**48**	**110**	**220**	**230**	**240**	**380**	**415**	**440**
LC1D09…D150 and LC1DT20…DT80A (coils with integral suppression device fitted as standard)									
50/60 Hz	B7	E7	F7	M7	P7	U7	Q7	N7	R7

D.C. supply (Replace suffix ●D or ●W with below control circuit voltage code respectively)

Volts	**24**	**48**	**110**	**220**	
LC1D09…D65A and LC1DT20…DT80A (coils with integral suppression device fitted as standard)					
U 0.7…1.25Uc	BD	ED	FD	MD	
LP1 D40…D80					
U 0.85…1.1 Uc	BD	ED	FD	MD	
U 0.75…1.2 Uc	BW	EW	FW	MW	**Add 5%**
LC1-D115 (coils with integral suppression device fitted as standard)					
U 0.75…1.2 Uc	BD	ED	FD	MD	

L.C. is Low consumption coil (Replace suffix ●L with below control circuit voltage code)

Volts	**24**	**110**	**220**
LC1D09…D38 and LC1DT20…DT40 (coils with integral suppression device fitted as standard)			
U 0.8…1.25 Uc	BL	FL	ML

(2) For low consumption kit **LA4DBL.**

TeSys contactors

TeSys D, 3-pole reversing contactors for motor control
up to 75 kW at 400 V, in category AC-3
Horizontally mounted, pre-assembled

unit price (excl. GST in Singapore Dollars)

TeSys D 3-pole reversing contactors for motor control

LC2 D65A●●

LC2 D115●●

Standard power rating of 3-phase motors 50/60Hz in category AC-3 230V	400V	415V	Rated operational current in AC-3 440 V up to at θ ≤ 60 °C	Instantaneous auxiliary contacts per contactor N/O	N/C		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil
kW	**kW**	**kW**	**A**						**(unit)**
With mechanical interlock, without electrical interlocking									
2.2	4	4	9	1	1	*(2)*	A.C.	**LC2D09●7**	*92.70*
							D.C.	**LC2D09●D**	*162.20*
							L.C.	**LC2D09●L**	*166.00*
3	5.5	5.5	12	1	1	*(2)*	A.C.	**LC2D12●7**	*100.50*
							D.C.	**LC2D12●D**	*172.20*
							L.C.	**LC2D12●L**	*182.30*
4	7.5	9	18	1	1	*(2)*	A.C.	**LC2D18●7**	*126.00*
							D.C.	**LC2D18●D**	*216.10*
							L.C.	**LC2D18●L**	*223.00*
5.5	11	11	25	1	1	*(2)*	A.C.	**LC2D25●7**	*178.30*
							D.C.	**LC2D25●D**	*262.50*
							L.C.	**LC2D25●L**	*284.40*
7.5	15	15	32	1	1	*(2)*	A.C.	**LC2D32●7**	*202.60*
							D.C.	**LC2D32●D**	*265.60*
							L.C.	**LC2D32●L**	*278.60*
9	18.5	18.5	38	1	1	*(2)*	A.C.	**LC2D38●7**	*285.20*
							D.C.	**LC2D38●D**	*396.40*
							L.C.	**LC2D38●L**	*383.40*
11	18.5	22	40	1	1	*(3)*	A.C.	**LC2D40A●7**	*459.00*
							D.C.	**LC2D40A●D**	*572.40*
15	22	25	50	1	1	*(3)*	A.C.	**LC2D50A●7**	*495.50*
							D.C.	**LC2D50A●D**	*629.10*
18.5	30	37	65	1	1	*(3)*	A.C.	**LC2D65A●7**	*590.30*
							D.C.	**LC2D65A●D**	*735.30*
22	37	45	80	1	1		A.C.	**LC2D80●7**	*1,306.30*
25	45	45	95	1	1		A.C.	**LC2D95●7**	*932.50*
With mechanical interlock and electrical interlocking									
30	55	59	115	1	1		A.C.	**LC2D115●7**	*1,181.40*
40	75	80	150	1	1		A.C.	**LC2D150●7**	*1,426.10*

Auxiliary contact blocks and add-on modules: see page G11 to G13

(1) Standard control circuit voltages. Consult us for other voltages.

A.C. supply (Replace suffix ●7 with below control circuit voltage code respectively)

Volts	**24**	**42**	**48**	**110**	**220**	**230**
LC2D09…D150 (coils D115 and D150 with integral suppression device fitted as standard)						
50/60 Hz	B7	D7	E7	F7	M7	P7

D.C. supply (Replace suffix ●D with below control circuit voltage code)

Volts	**12**	**24**	**48**	**72**	**110**	**125**	**220**
LC2D09…D65A (coils with integral suppression device fitted as standard)							
U 0.7…1.25Uc	JD	BD	ED	SD	FD	GD	MD

L.C. is Low consumption coil (Replace suffix ●L with below control circuit voltage code)

Volts	**5**	**24**	**48**	**72**	**110**	**220**
LC2D09…D38 (coils with integral suppression device fitted as standard)						
U 0.8…1.25 Uc	AL	BL	EL	SL	FL	ML

(2) For reversing contactors with electrical interlocking pre-wired at the factory, add suffix **V** to the references selected above. Example: **LC2D09P7** becomes **LC2D09P7V.** Consult your local sales office for price.
(3) For low consumption kit **LA4DBL.**

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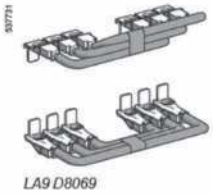
TeSys contactors

3 pole reversing contactors for motor control up to 18.5kW at 400V
4 pole change-over contactor pairs (3 phase + netural)
in category AC-3, unassembled, horizontally mounted

unit price (excl. GST in Singapore Dollars)

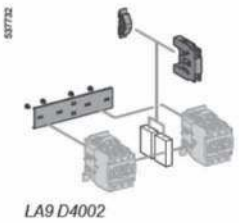
TeSys 3-pole reversing contactors for motor control

Component parts for customer assembling. Horizontally mounted assembled



Standard power rating of 3-phase motors 50/60Hz in category AC-3 415V		2 identical contactors Basic reference, to be completed by adding the voltage code	*Unit Price (S$)*	Set of power connections Reference		Price (S$)	Mechnical interlock Reference		Price (S$)
kW	**A**	*(1)*							**(unit)**
Including mechnical interlock with electrical interlocking and a set of power connections									
4	9	**LC1D09●7**	*27.90*	**LAD9R1V**	*(2)*	*29.60*			
5.5	12	**LC1D12●7**	*35.00*	**LAD9R1V**	*(2)*	*29.60*			
9	18	**LC1D18●7**	*47.60*	**LAD9R1V**	*(2)*	*29.60*			
11	25	**LC1D25●7**	*72.50*	**LAD9R1V**	*(2)*	*29.60*			
15	32	**LC1D32●7**	*85.00*	**LAD9R1V**	*(2)*	*29.60*			
18.5	38	**LC1D38●7**	*127.40*	**LAD9R1V**	*(2)*	*29.60*			
Including mechnical interlock without integral electrical interlocking									
22	40	**LC1D40A●7**	*177.70*	**LA9D65A69**		*67.70*	**LAD4CM**		*49.00*
25	50	**LC1D50A●7**	*195.50*	**LA9D65A69**		*67.70*	**LAD4CM**		*49.00*
37	65	**LC1D65A●7**	*240.90*	**LA9D65A69**		*67.70*	**LAD4CM**		*49.00*
Including mechnical interlock with integral electrical interlocking									
45	80	**LC1D80●7**	*274.70*	**LA9D8069**		*84.10*	**LA9D4002**	*(3)*	*66.50*
45	95	**LC1D95●7**	*330.10*	**LA9D8069**		*84.10*	**LA9D4002**	*(3)*	*66.50*
59	115	**LC1D115●7**	*447.50*	**LA9D11569**		*176.30*	**LA9D11502**		*98.40*
80	150	**LC1D150●7**	*568.60*	**LA9D11569**		*176.30*	**LA9D11502**		*98.40*

TeSys 4-pole change-over contactors



Utilisation category AC-1 Non-inductive loads operating current	2 identical contactors Basic reference, to be completed by adding the voltage code	*Unit Price (S$)*	Set of power connections Reference		Price (S$)	Mechnical interlock Reference		Price (S$)
A	*(1)*							**(unit)**
Including mechnical interlock with electrical interlocking and a set of power connections								
20	**LC1DT20●7**	*53.00*	**LADT9R1V**	*(2)*	*31.50*			
25	**LC1DT25●7**	*56.00*	**LADT9R1V**	*(2)*	*31.50*			
32	**LC1DT32●7**	*89.00*	**LADT9R1V**	*(2)*	*31.50*			
40	**LC1DT40●7**	*101.00*	**LADT9R1V**	*(2)*	*31.50*			
Including mechnical interlock without integral electrical interlocking								
60	**LC1DT60A●7**	*208.00*	-			**LAD4CM**		*49.00*
80	**LC1DT80A●7**	*314.70*	-			**LAD4CM**		*49.00*
Including mechnical interlock with integral electrical interlocking								
125	**LC1D80004●7**	*534.00*	**LA9D8070**		*95.30*	**LA9D4002**	*(3)*	*66.50*
200	**LC1D115004●7**	*698.10*	**LA9D11570**		*176.30*	**LA9D11502**		*98.40*

(1) Unit price is for standard A.C. control circuit voltages only. See page G6 for the other voltage code and price.

(2) A mechanical interlock with electrical interlocking and a set of power connections.

(3) This is for a.c. coil contactor only. Use LA9D8002 for d.c. coil contactor.

Life Is On Schneider Electric

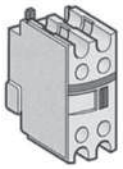
TeSys contactors

TeSys D contactors and reversing contactors

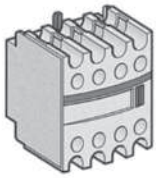
Auxiliary contact blocks, components parts for assembling reversing contactors

unit price (excl. GST in Singapore Dollars)

Instantaneous auxiliary contact blocks for connection by screw clamp terminals



LAD-N



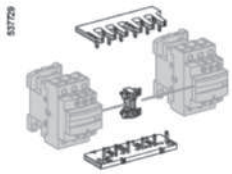
LAD-N, LAD-C

For use in normal operating environments

In order to mount an LAD8N on an LC1D80 to D95, a set of shims must be ordered separately.

Clip-on mounting (1)	Nos. of contacts per block	Composition		Reference	Price (S$) (unit)
Front	1	1	-	**LADN10**	*18.00*
		-	1	**LADN01**	*18.00*
	2	1	1	**LADN11**	*14.40*
		2	-	**LADN20**	*14.40*
		-	2	**LADN02**	*14.40*
	4	2	2	**LADN22**	*22.60*
		1	3	**LADN13**	*22.60*
		4	-	**LADN40**	*22.60*
		-	4	**LADN04**	*22.60*
		3	1	**LADN31**	*22.60*
	4 incl. 1N/O & 1N/C make before break	2	2	**LADC22**	*29.80*
Side	2	1	1	**LAD8N11**	*19.50*
		2	-	**LAD8N20**	*19.50*
		-	2	**LAD8N02**	*19.50*

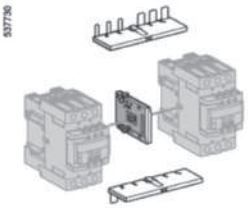
Kits for assembling of 3 pole reversing contactors.



LAD 9R1

Kits comprising	For contactors (2 identical connections)	Reference	Price (S$)
¨mechanical interlock with electrical locking ¨ set of power connections (parallel and reversing)	LC1D09…D38	**LAD9R1V**	*29.60*
¨ mechanical interlock without electrical locking ¨ set of power connections (parallel and reversing)	LC1D09…D38	**LAD9R1**	*24.80*
¨ mechanical interlock ¨ set of power connections	LC1D40A to D65A	**LAD9R3**	*90.20*

(1) Maximum number of auxiliary contact blocks that can be fitted. Refer to TeSys contactor catalogue.



LAD 9R3

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TeSys contactors

TeSys D range contactors and reversing contactors

Time-delay auxiliary contacts

Mechanical latch block

unit price (excl. GST in Singapore Dollars)

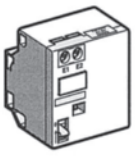
Time delay auxiliary contact blocks for connection by screw clamp terminals

Maximum number of auxiliary contact blocks that can be fitted per contactor, refer to TeSys catalogue.
LADT0 and LADR0: with extended scale from 0.1 to 0.6 s.
LADS2: with switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact.

LAD -T

Clip-on mounting	Number of contacts	Time delay Type	setting range	Reference	Price (S$) (unit)
Front	1N/O + 1 N/C	On-delay	0.1…3 s	**LADT0**	*58.50*
			0.1…30 s	**LADT2**	*58.50*
			10…180 s	**LADT4**	*58.50*
			1…30 s	**LADS2**	*58.50*
		Off-delay	0.1…3 s	**LADR0**	*69.70*
			0.1…30 s	**LADR2**	*69.70*
			10…180 s	**LADR4**	*83.10*

Mechanical latch blocks *(1)*



LA6 - K

Clip-on mountng	Unlatching control	For use on contactor	Basic reference. Complete with code indicating control circuit voltage (2)	Price (S$) (unit)
Front	Manual or electric	LC1 D09…D38 (a.c. or d.c.) LC1 DT20…DT40 (a.c. or d.c.)	**LAD6K10●**	*83.90*
		LC1 D40A…D65A (3P a.c. or d.c.) LC1 DT60A and DT80A (4P a.c. or d.c.)	**LAD6K10●**	*83.90*
		LC1 D80…D150 (3P a.c.) LC1 D80 and D115 (3P d.c.) LC1 D80 (4P a.c.) LC1 D80 and D115 (4P a.c.) LP1 D80 and LC1 D115 (4P d.c.)	**LA6DK20●**	*83.90*

(1) The mechanical latching block must not be powered up at the same time as the contactor.
The duration of the control signal for the mechanical latching block and the contactor should be:
≥ 100 ms for a contactor operating on an a.c. supply,
≥ 250 ms for a contactor operating on a d.c. supply.
Maximum impulse duration: 10 seconds.
(2) Standard control circuit voltages. Consult us for other voltages.
Replace suffix ● with below voltage code

Volts 50/60 Hz,	24	42/48	220/240
Code	B	E	M

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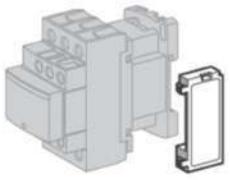
Life Is On Schneider Electric

TeSys contactors

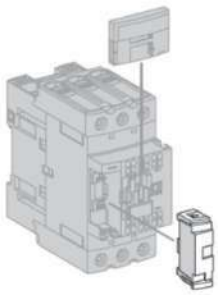
TeSys D range contactors and reversing contactors
Suppressor modules

unit price (excl. GST in Singapore Dollars)

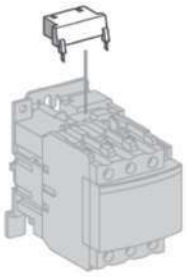
Suppressor modules



LAD 4●●



LAD 4RC3●, LAD 4V3●, LAD 4D3U, LAD 4T3●



LA4 D●●

Mounting	For use with contactor *(1)*			Reference	Price (S$)
		Voltage			
		Vac	**Vdc**		**(unit)**
RC circuits (resistor-capacitor)					
Clip-on side mounting	D09…D38 (3P)	24…48	-	**LAD4RCE**	*17.90*
(2)	DT20…DT40	110…250	-	**LAD4RCU**	*17.90*
Clip-on side mounting	D40A…D65A (3P)	110…240		**LAD4RC3U**	*17.90*
(2)	DT60A…DT80A (4P)				
Screw fixing	D80…D150 (3P)	110…240	-	**LA4DA2U**	*17.90*
(3)	D40…D115 (4P)				
Varistors (peak limiting)					
Clip-on side mounting	D09…D38 (3P)	110…250	-	**LAD4VU**	*17.10*
(2)	DT20…DT40				
Clip-on front mounting	D40A…D65A (3P)	110…250	-	**LAD4V3U**	*17.10*
(2)	DT60A…DT80A (4P)				
Screw fixing	D80…D115 (3P)	110…250	-	**LA4DE2U**	*17.90*
(3)	D80...D115 (4P)				
Flywheel diodes					
Clip-on side mounting	D09…D38 (3P).	-	24…250	**LAD4DDL**	*17.10*
(4)	DT20…DT40				
Clip-on front mounting	D40A…D65A (3P).	-	24…250	**LAD4D3U**	*17.10*
(4)	DT60A…DT80A (4P)				
Bidirectional peak limiting diode					
Clip-on side mounting	D09…D38 (3P)		24	**LAD4TBDL**	*18.50*
(2) (4)	DT20…DT40 (4P)				
Clip-on front mounting	D40A…D65A (3P)	24	24	**LAD4T3B**	*24.60*
(2)	DT60A…DT80A (4P)				

Electronic serial timer modules

Type	Operational voltage		Time delay	Reference	Price(S$)
	24…250V AC	100…250V AC			**(unit)**
On-delay	LC1DD09…D65A (3P)	LC1DD80…D150	0.1…2s	**LA4DT0U**	*110.00*
	and DT20...DT80A (4P)	(3P)	1.5…30s	**LA4DT2U**	*110.00*

Interface modules

Type	Operational voltage		Supply voltage	Reference	Price(S$)
	24…250V AC	380…415V AC	E1-E2 (DC)		**(unit)**
Relay interface	LC1 D09…D150 (3P) and DT20...DT80A (4P)	-	24V	**LA4DFB**	*81.00*
Type	**Operational voltage**		**Supply voltage**	**Reference**	**Price(S$)**
	24…250V AC	100…250V AC	E1-E2 (DC)		**(unit)**
Relay interface with "AUTO-I" manual override, solid state	LC1 D09…D65A (3P) and DT20...DT80A (4P)	LC1 D80…D115 (3P)	24V	**LA4DWB**	*110.00*

(1) For satisfactory protection, a suppressor module must be fitted across the coil of each contactor.

(2) Clipping-on makes the electrical connection. The overall size of the contactor remains unchanged.

(3) Mounting at the top of the contactor on coil terminals A1 and A2.

(4) In order to install these accessories, the existing suppression device must first be removed.

G

TeSys protection components

TeSys D 3-pole thermal overload relays

unit price (excl. GST in Singapore Dollars)

Differential thermal overload relays

for use with fuses and magnetic circuit-breakers GV2L and GV3L

- Compensated relays with manual or automatic reset,
- with relay trip indicator,
- for a.c. or d.c.

Relay setting range	Fuses to be used with selected relay aM	gG	BS88	For use with contactor LC1	Reference	Price (S$)
A	**A**	**A**	**A**			**(unit)**
Class 10A *(1)* for connection by screw clamp terminals or connectors						
0.10…0.16	0.25	2	-	D09…D38	**LRD01**	*42.10*
0.16…0.25	0.5	2	-	D09…D38	**LRD02**	*42.10*
0.25…0.40	1	2	-	D09…D38	**LRD03**	*42.10*
0.40…0.63	1	2	-	D09…D38	**LRD04**	*42.10*
0.63…1	2	4	-	D09…D38	**LRD05**	*38.00*
1…1.7	2	4	6	D09…D38	**LRD06**	*38.00*
1.6…2.5	4	6	10	D09…D38	**LRD07**	*36.90*
2.5…4	6	10	16	D09…D38	**LRD08**	*36.90*
4…6	8	16	16	D09…D38	**LRD10**	*36.90*
5.5…8	12	20	20	D09…D38	**LRD12**	*36.90*
7…10	12	20	20	D09…D38	**LRD14**	*36.90*
9…13	16	25	25	D12…D38	**LRD16**	*36.90*
12…18	20	35	32	D18…D38	**LRD21**	*36.90*
16…24	25	50	50	D25…D38	**LRD22**	*44.10*
23…32	40	63	63	D25…D38	**LRD32**	*59.50*
30…38	50	80	80	D32 and D38	**LRD35**	*71.80*
Class 10A *(1)* for connection by **Ever**Link®**, BTR** screw connectors *(3)*						
16…25	25	50	50	D40A…D65A	**LRD325**	*93.30*
23…32	40	63	63	D40A…D65A	**LRD332**	*97.40*
30…40	40	80	80	D40A…D65A	**LRD340**	*98.40*
37…50	63	100	100	D40A…D65A	**LRD350**	*108.00*
48…65	63	100	100	D50A…D65A	**LRD365**	*114.90*
Class 10A *(1)* for connection by screw clamp terminals or connectors						
55…70	80	125	125	D50 … D95	**LRD3361**	*137.00*
63…80	80	125	125	D65 ... D95	**LRD3363**	*161.00*
80…104	100	160	160	D80 and D95	**LRD3365**	*183.50*
80…104	125	200	160	D115 and D150	**LRD4365**	*257.30*
95…120	125	200	200	D115 and D150	**LRD4367**	*243.00*
110…140	160	250	200	D150	**LRD4369**	*264.50*
80…104	100	160	160	*(2)*	**LRD33656**	*268.00*
95…120	125	200	200	*(2)*	**LRD33676**	*282.90*
110…140	160	250	200	*(2)*	**LRD33696**	*302.40*
Class 10A (1) for connection by spring terminal connection (for direct mounting on the contactor only)						
0.10…0.16	0.25	2	-	D09…D38	**LRD013**	*175.00*
0.16…0.25	0.5	2	-	D09…D38	**LRD023**	*175.00*
0.25…0.40	1	2	-	D09…D38	**LRD033**	*175.00*
0.40…0.63	1	2	-	D09…D38	**LRD043**	*175.00*
0.63…1	2	4	-	D09…D38	**LRD053**	*170.00*
1…1.6	2	4	6	D09…D38	**LRD063**	*163.00*
1.6…2.5	4	6	10	D09…D38	**LRD073**	*163.00*
2.5…4	6	10	16	D09…D38	**LRD083**	*163.00*
4…6	8	16	16	D09…D38	**LRD103**	*163.00*
5.5…8	12	20	20	D09…D38	**LRD123**	*163.00*
7…10	12	20	20	D09…D38	**LRD143**	*163.00*
9…13	16	25	25	D12…D38	**LRD163**	*163.00*
12…18	20	35	32	D18…D38	**LRD213**	*163.00*
16…24	25	50	50	D25…D38	**LRD223**	*173.00*

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current I_R :
class 10A: between 2 and 10 seconds.
(2) Independent mounting of the contactor.
(3) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations,a size 4 insulated Allen key must be used (reference LADALLEN4).

G

Life Is On Schneider Electric

TeSys protection components

D range 3-pole thermal overload relays

unit price (excl. GST in Singapore Dollars)

Differential thermal overload relays for use with fuses

· Compensated relays with manual or automatic reset,
· with relay trip indicator
· for a.c. or d.c

Relay setting range	Fuses to be used with selected relay aM	gG	BS88	For use with contactor LC1	Reference	Price (S$)
A	**A**	**A**	**A**			**(unit)**
Class 20 *(1)* for connection by screw clamp terminals						
1.6…2.5	4	6	10	D09…D38	**LRD07L**	*95.10*
2.5…4	6	10	16	D09…D38	**LRD08L**	*95.10*
4…6	8	16	16	D09…D38	**LRD10L**	*101.50*
5.5…8	12	20	20	D09…D38	**LRD12L**	*102.50*
7…10	16	20	20	D09…D38	**LRD14L**	*102.50*
9…13	16	25	25	D12…D38	**LRD16L**	*104.60*
12…18	25	35	32	D18…D38	**LRD21L**	*116.90*
17…25	32	50	50	D25…D38	**LRD22L**	*117.90*
23…32	40	63	63	D25…D38	**LRD32L**	*158.90*
16…25	32	50	50	D40A…D65A	**LRD325L**	*199.90*
23…32	40	63	63	D40A…D65A	**LRD332L**	*205.00*
25…40	50	80	80	D40A…D65A	**LRD340L**	*204.00*
37…50	63	100	100	D40A…D65A	**LRD350L**	*217.30*
48…65	80	125	125	D40A…D65A	**LRD365L**	*224.50*
55…70	100	125	125	D65 ... D95	**LR2D3561**	*230.60*
63…80	100	160	125	D80 and D95	**LR2D3563**	*239.90*

Differential thermal overload relays

· Compensated relays with replay trip indicator.
· for a.c.
· for direct mounting on contactor or independent mounting

Relay setting range	Fuses to be used with selected relay aM	gG	For direct mounting beneath contactor LC1	Reference	Price (S$)
A	**A**	**A**			**(unit)**
Class 10 or 10A *(1)* for connection using bars or connectors					
60…100	100	160	D115 and D150	**LR9D5367**	*285.00*
90…150	160	250	D115 and D150	**LR9D5369**	*329.00*
Class 20 for connection using bars or connectors					
60…100	125	160	D115 and D150	**LR9D5567**	*454.10*
90…150	200	250	D115 and D150	**LR9D5569**	*554.50*

Electronic thermal overload relays for use with balanced or unbalanced loads

· Compensated relays.
· with separate outputs for alarm and tripping

Relay setting range	Fuses to be used with selected relay aM	gG	For direct mounting beneath contactor LC1	Reference	Price (S$)
A	**A**	**A**			**(unit)**
Class 10 or **20** *(1)* selectable with connection using bars or connectors					
60…100	100	160	D115 and D150	**LR9D67**	*479.70*
90…150	160	250	D115 and D150	**LR9D69**	*538.20*

(1) Standard IEC 60947-4-7 specifies a tripping time for 7.2 times the setting current I_R
class 10: between 4 and 10 seconds,
class 10A: between 2 and 10 seconds,
class 20: between 6 and 20 seconds.

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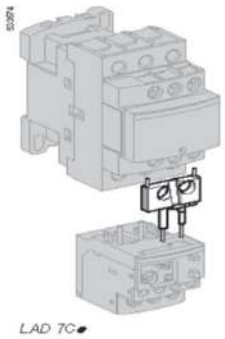
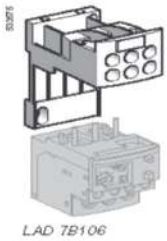
TeSys protection components

D range 3-pole thermal overload relays
Accessories

unit price (excl. GST in Singapore Dollars)

Accessories (to be ordered separately)


LAD 7C●


LAD 7B106

Description	For use on	Sold in lots of	Reference		Unit Price (S$)
Pre-wiring kit allowing direct connection of the N/C contact of relay LRD01…35 or LR3D01…D35 to the contactor	LC1D09…D18	1	**LAD7C1**	*(1)*	*8.20*
	LC1D25…D38	1	**LAD7C2**	*(1)*	*8.20*
Terminal blocks (2) for clip-on mounting on 35 mm	LRD01…35 and LR3D01…D35	1	**LAD7B106**		*13.40*
	LRD1508…32	1	**LAD7B105**		*21.50*
	LRD33●●●, LR3D33●●●, LR2D35●●	1	**LA7D3064**	*(3)*	*43.50*
EverLink® terminal block for indipendent mounting	LRD3●●, LRD3●●L, LR3D3●●	1	**LAD96560**		*21.50*
Terminal block adaptor for mounting a relay beneath an LC1D115 or D150 contactor	LRD3●●●, LR3D3●●●, LRD35●●	1	**LA7D3058**	*(3)*	*95.30*
Mounting plates (4) for screw fixing	LRD01…35, LR3D01…D35. LRD1508…32	1	**DX1AP25**		*23.50*
	LRD3●●●, LR3D3●●● LR2D35●●	1	**LA7D902**		*12.00*
Stop button locking device	All relays except LRD01…35. LR3D01…D35, LR9D and LRD313…365	10	**LA7D901**		*32.00*
Remote stop or electrical reset device (5)	LRD01…35, LR3D01…D35, LRD313…365	1	**LAD703●**	*(6)*	*71.80*

Remote control

Description	For use on	Sold in lots of	Reference	Unit Price (S$)
"Reset" function				
By flexible cable (length = 0.5 m)	LRD01…35, LR3D01…D35 and LRD313…365	1	**LAD7305**	*92.80*
	All relays except LRD01…35, LR3D01…D35, LRD3●●, LRD3●●L and LR3D3●●.	1	**LA7D305**	*92.80*
"Stop" and/or "Reset" functions				
The terminal protection shroud must be removed and the following 3 products must be ordered separately.				
Adaptor for door interlock mechanism	LRD33●●, LR2D and LRD15●●	1	**LA7D1020**	*12.00*

(1) These pre-wiring kits cannot be used with reversing contactors.
(2) Terminal blocks are supplied with terminals protected against direct finger contact and screws in the open, "ready-to-tighten" position.
(3) To order a terminal bloack for connection by lugs, the reference becomes **LA7D30646**.
(4) Do not forget to order the terminal block corresponding to the type of relay.
(5) The time for which the coil of remote tripping or electrical resetting device **LA7D03** or **LAD703** can remain energised depends on its rest time: 1 s pulse duration with 9 s rest time; 5 s pulse duration with 30s rest time; 10s pulse duration with 90 s rest time; maximum pulse duration of 20 s with a rest time of 300 s. Minimum pulse time: 200 ms.
(6) Replaced suffix ● with below control circuit voltage code

Volts	24	48	110	220/230
50/60 Hz	B	E	F	M
Consumption, inrush and sealed :< 100 VA				
d.c.	B	E	F	M
Consumption, inrush and sealed:< 100 W				

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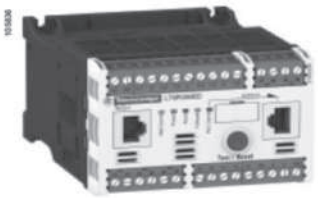
Life Is On Schneider Electric

TeSys Protection components

TeSys T Motor Management System

unit price (excl. GST in Singapore Dollars)

Controllers



LTM R08MBD

LTM R08CBD

LTM R08DBD

LTM R08PBD

LTM R08EBD

Setting range	Control voltage	Current ranges	Reference	Price (S$)
A	**V**	**A**		**(unit)**
For Modbus				
8	d.c. 24	0.4…8	**LTMR08MBD**	*1,230.90*
	a.c. 100…240 V	0.4…8	**LTMR08MFM**	*1,210.40*
27	d.c. 24	1.35…27	**LTMR27MBD**	*1,271.80*
	a.c. 100…240 V	1.35…27	**LTMR27MFM**	*1,251.40*
100	d.c. 24	5…100	**LTMR100MBD**	*1,311.70*
	a.c. 100…240 V	5…100	**LTMR100MFM**	*1,291.30*
For CANopen				
8	d.c. 24	0.4…8	**LTMR08CBD**	*1,372.50*
	a.c. 100…240 V	0.4…8	**LTMR08CFM**	*1,349.90*
27	a.c. 100…240 V	1.35…27	**LTMR27CFM**	*1,395.00*
100	d.c. 24	5…100	**LTMR100CBD**	*1,462.70*
	a.c. 100…240 V	5…100	**LTMR100CFM**	*1,440.10*
For DeviceNet				
8	d.c. 24	0.4…8	**LTMR08DBD**	*1,525.20*
	a.c. 100…240 V	0.4…8	**LTMR08DFM**	*1,499.60*
27	a.c. 100…240 V	1.35…27	**LTMR27DFM**	*1,549.80*
100	d.c. 24	5…100	**LTMR100DBD**	*1,624.60*
	a.c. 100…240 V	5…100	**LTMR100DFM**	*1,600.00*
For ProfibusDP				
8	d.c. 24	0.4…8	**LTMR08PBD**	*1,341.70*
	a.c. 100…240 V	0.4…8	**LTMR08PFM**	*1,320.20*
27	d.c. 24	1.35…27	**LTMR27PBD**	*1,386.80*
	a.c. 100…240 V	1.35…27	**LTMR27PFM**	*1,364.30*
100	d.c. 24	5…100	**LTMR100PBD**	*1,429.90*
	a.c. 100…240 V	5…100	**LTMR100PFM**	*1,407.40*
For Modbus/TCP or Ethernet/IP				
8	d.c. 24	0.4…8	**LTMR08EBD**	*1,276.10*
	a.c. 100…240 V	0.4…8	**LTMR08EFM**	*1,177.80*
27	d.c. 24	1.35…27	**LTMR27EBD**	*1,416.60*
	a.c. 100…240 V	1.35…27	**LTMR27EFM**	*1,177.80*
100	d.c. 24	5…100	**LTMR100EBD**	*1,276.10*
	a.c. 100…240 V	5…100	**LTMR100EFM**	*1,177.80*

TeSys contactors

Contactors for motor control, 115 to 800A, in cat.AC-3
Contactors for control in utilisation cat.AC-1
(200 to 1600A)

unit price (excl. GST in Singapore Dollars)

TeSys F contactors

LC1F265

LC1F500

LC1F630

LC1F800

LC1F4004

Maximum current in utilisation catefory AC-1 (temp <=40°C)	Standard power ratings of 3-phase motors 50/60Hz in category AC-3 380/400V	415V	Rated-operational current in cat. AC-3 440V upto	Control circuit voltage (2)	**Basic reference, to be completed** by adding the voltage code (2) screw fixing, cabling (1)	**Price (S$)** included basic ref. c/w coil
A	**KW**	**KW**	**A**			
3 pole contactors						
200	55	59	115	A.C.	**LC1F115•7**	*590.20*
				D.C.	**LC1F115•D**	*649.20*
250	75	80	150	A.C.	**LC1F150•7**	*599.00*
				D.C.	**LC1F150•D**	*699.00*
275	90	100	185	A.C.	**LC1F185•7**	*765.00*
				D.C.	**LC1F185•D**	*858.00*
315	110	110	225	A.C.	**LC1F225•7**	*1,150.10*
				D.C.	**LC1F225•D**	*1,175.30*
350	132	140	265	A.C.	**LC1F265•7**	*1,248.00*
				D.C.	**LC1F265•D**	*1,368.00*
400	160	180	330	A.C.	**LC1F330•7**	*1,550.00*
				D.C.	**LC1F330•D**	*1,699.00*
500	200	220	400	A.C.	**LC1F400•7**	*2,088.00*
				D.C.	**LC1F400•D**	*2,150.00*
700	250	280	500	A.C.	**LC1F500•7**	*2,488.00*
				D.C.	**LC1F500•D**	*3,048.90*
1000	335	375	630	A.C.	**LC1F630•7**	*3,753.90*
				D.C.	**LC1F630•D**	*4,264.00*
1600	400	425	780	A.C.	**LC1F780•7**	*7,959.60*
				D.C.	**LC1F780•D**	*8,347.70*
1000	450	450	800	A.C./D.C.	**LC1F800•W**	*6,103.90*
4 pole contactors						
200	55	59	115	A.C.	**LC1F1154•7**	*838.50*
				D.C.	**LC1F1154•D**	*1,059.10*
250	75	80	150	A.C.	**LC1F1504•7**	*953.30*
				D.C.	**LC1F1504•D**	*1,235.60*
275	90	100	185	A.C.	**LC1F1854•7**	*1,130.60*
				D.C.	**LC1F1854•D**	*1,413.60*
315	110	110	225	A.C.	**LC1F2254•7**	*1,551.90*
				D.C.	**LC1F2254•D**	*1,815.90*
350	132	140	265	A.C.	**LC1F2654•7**	*1,779.10*
				D.C.	**LC1F2654•D**	*2,298.40*
400	160	180	330	A.C.	**LC1F3304•7**	*2,236.60*
				D.C.	**LC1F3304•D**	*2,583.00*
500	200	220	400	A.C.	**LC1F4004•7**	*2,678.90*
				D.C.	**LC1F4004•D**	*3,257.40*
700	250	280	500	A.C.	**LC1F5004•7**	*3,637.50*
				D.C.	**LC1F5004•D**	*4,572.50*
1000	335	375	630	A.C.	**LC1F6304•7**	*5,335.10*
				D.C.	**LC1F6304•D**	*5,856.70*
1600	400	425	780	A.C.	**LC1F7804•7**	*10,973.60*
				D.C.	**LC1F7804•D**	*11,894.40*

Auxiliary contact blocks and modules see page G11 to G13

(1) Power terminal protection shrouds available separately for contactors **LC1F115** to **LC1F630**
(2) Standard control circuit voltages.

A.C. supply (Replace suffix •7 or •W with below control circuit voltage code).

Volts a.c. 40…400Hz	**48**	**110**	**220**	**230**	**240**	**380**	**415**	**440**
LC1F115…F630 (3)	E7	F7	M7	P7	U7	Q7	N7	R7
LC1F780 (coil LX1)	-	F7	M7	P7	U7	Q7	N7	R7
LC1F800 (coil LX4) (4)	-	FW	MW	MW	MW	QW	QW	

D.C. supply (Replace suffix •D or •W with below control circuit voltage code)

Volts d.c.	**24**	**48**	**110**	**220**	**440**
LC1F115…F330 (coil LX4F)	BD	ED	FD	MD	RD
LC1F400…F630 (coil LX4F)	-	ED	FD	MD	RD
LC1F780 (coil LX4F)	-	-	FD	MD	RD
LC1F800 (coil LX4F)	-	-	FW	MW	-

(3) LC1F115…F225 coil is LX9, LC1F265…F630 coil is LX1
(4) LC1F800 ac coil is using LX4F coil with rectifier DR5TE4U (110 to 240V) or DRT5E4S (380 to 440V).

Life Is On Schneider Electric

TeSys contactors

3 pole reversing contactors for motor control, 115 to 800A
4 pole change-over contactor pairs
Components for assembling

unit price (excl. GST in Singapore Dollars)

TeSys F 3-pole reversing contactors and 4-pole change-over contactors

Component parts for customer assembly. Horizontally mounted.

LA9-F●970 (2)

LA9-FX970

Maximum current in utilisation category AC-1 (temp.<=40°C)	Standard power rating of 3-phase motors 50/60Hz in category AC-3 380/400V		**2 identical contactors Basic reference,** to be completed by adding the voltage code (1)		2NO+2NC auxiliary contact block		Mechanical interlocking		
A	**KW**	**A**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**		**Price (S$)**
3 pole reversing contactors									
200	55	115	**LC1F115●7**	*590.20*	**LADN22**	*22.60*	**LA9FF970**		*66.70*
250	75	150	**LC1F150●7**	*599.00*	**LADN22**	*22.60*	**LA9FF970**		*66.70*
275	90	185	**LC1F185●7**	*765.00*	**LADN22**	*22.60*	**LA9FG970**		*81.00*
315	110	225	**LC1F225●7**	*1,150.10*	**LADN22**	*22.60*	**LA9FG970**		*81.00*
350	132	265	**LC1F265●7**	*1,248.00*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
400	160	330	**LC1F330●7**	*1,550.00*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
500	200	400	**LC1F400●7**	*2,088.00*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
700	250	500	**LC1F500●7**	*2,488.00*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
1000	335	630	**LC1F630●7**	*3,753.90*	**LADN22**	*22.60*	**LA9FL970**		*118.90*
1600	400	780	**LC1F780●7**	*7,959.60*	**LADN22**	*22.60*	**LA9FX970**	*(2)*	*355.00*
-	450	800	**LC1F800●W**	*6,103.90*	**LADN22**	*22.60*	**LA9FL970**		*118.90*
4 pole changeover contactors									
200	55	115	**LC1F1154●7**	*838.50*	**LADN22**	*22.60*	**LA9FF970**		*66.70*
250	75	150	**LC1F1504●7**	*953.30*	**LADN22**	*22.60*	**LA9FF970**		*66.70*
275	90	185	**LC1F1854●7**	*1,130.60*	**LADN22**	*22.60*	**LA9FG970**		*81.00*
315	110	225	**LC1F2254●7**	*1,551.90*	**LADN22**	*22.60*	**LA9FG970**		*81.00*
350	132	265	**LC1F2654●7**	*1,779.10*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
400	160	330	**LC1F3304●7**	*2,236.60*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
500	200	400	**LC1F4004●7**	*2,678.90*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
700	250	500	**LC1F5004●7**	*3,637.50*	**LADN22**	*22.60*	**LA9FJ970**		*95.40*
1000	335	630	**LC1F6304●7**	*5,335.10*	**LADN22**	*22.60*	**LA9FL970**		*118.90*
1600	400	780	**LC1F7804●7**	*10,973.60*	**LADN22**	*22.60*	**LA9FX971**	*(2)*	*389.00*

(1) Price is for one unit of standard A.C. control circuit voltages contactor only. See page G18 for the other voltage code and price.

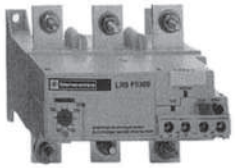
(2) Vertically mounted mechanical interlocking only.

TeSys protection components

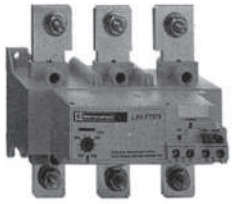
F range electronic thermal overload relays LR9F

unit price (excl. GST in Singapore Dollars)

Compensated and differential overload relays



LR9-F53●●



LR9-F73●●

Relay setting range A	For direct mounting beneath contactor LC1	Reference	Price (S$)
Class 10			
30-50	F115…F185	**LR9F5357**	*353.70*
48-80	F115…F185	**LR9F5363**	*353.70*
60-100	F115…F185	**LR9F5367**	*353.70*
90-150	F115…F185	**LR9F5369**	*353.70*
132-220	F185…F400	**LR9F5371**	*384.40*
200-330	F225…F500	**LR9F7375**	*439.80*
300-500	F225…F500	**LR9F7379**	*556.60*
380-630	F400…F630 and F800	**LR9F7381**	*676.50*
Class 20			
30-50	F115…F185	**LR9F5557**	*1,278.20*
48-80	F115…F185	**LR9F5563**	*1,278.20*
60-100	F115…F185	**LR9F5567**	*1,278.20*
90-150	F115…F185	**LR9F5569**	*1,278.20*
132-220	F185…F400	**LR9F5571**	*1,419.70*
200-330	F225…F500	**LR9F7575**	*1,419.70*
300-500	F225…F500	**LR9F7579**	*1,419.70*
380-630	F400…F630 and F800	**LR9F7581**	*1,419.70*

Control accessories (to be ordered separately)

Description	Reference	Price (S$)
Remote Reset function control by flexible cable (length = 0.5m)	**LA7D305**	*92.80*

Set of power terminal protection shrouds, single-pole

For use with relays	Number of shrouds per set	Set Reference	Price (S$)
LR9 F5●63, F5●67, F5●69 LR9F63, F67, F69	6	**LA9F702**	*63.60*
LR9 F5●71 LR9F71	6	**LA9F705**	*88.20*

(1) Replace suffix ● with below control circuit voltage code

Volts	24	48	110	220/230
50/60Hz	B	E	F	M

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Life Is On Schneider Electric

TeSys protection components

Thermal-magnetic motor circuit-breakers GV2ME

unit price (excl. GST in Singapore Dollars)

Motor circuit-breakers from 0.06 to 15 kW / 400 V, with screw clamp terminals

GV2 ME10

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415 V			Setting range of thermal trips *(2)*	Magnetic tripping current *Id ± 20 %*	Reference		Price (S$)
P	Icu	Ics *(1)*					
kW	**kA**	**%**	**A**	**A**			**(unit)**
GV2 ME with pushbutton control							
–	–	–	0.1…0.16	1.5	**GV2ME01**		*82.00*
0.06	«	«	0.16…0.25	2.4	**GV2ME02**		*82.00*
0.09	«	«	0.25…0.40	5	**GV2ME03**		*82.00*
0.12	«	«	0.40…0.63	8	**GV2ME04**		*82.00*
0.18							
0.25	«	«	0.63…1	13	**GV2ME05**		*82.00*
0.37	«	«	1…1.6	22.5	**GV2ME06**		*79.00*
0.55	«	«					
0.75	«	«	1.6…2.5	33.5	**GV2ME07**		*79.00*
1.1	«	«	2.5…4	51	**GV2ME08**		*79.00*
1.5	«	«					
2.2	«	«	4…6.3	78	**GV2ME10**		*79.00*
3	«	«	6…10	138	**GV2ME14**		*90.20*
4	«	«					
5.5	15	50	9…14	170	**GV2ME16**		*90.20*
7.5	15	50	13…18	223	**GV2ME20**		*90.20*
9	15	40	17…23	327	**GV2ME21**		*97.40*
11	15	40	20…25	327	**GV2ME22**	*(3)*	*97.40*
15	10	50	24…32	416	**GV2ME32**		*125.10*

Motor circuit-breakers from 0.06 to 15 kW / 400 V, with lugs

GV2 ME••6 with pushbutton control							
–	–	–	0.1…0.16	1.5	**GV2ME016**		*90.20*
0.06	«	«	0.16…0.25	2.4	**GV2ME026**		*90.20*
0.09	«	«	0.25…0.40	5	**GV2ME036**		*90.20*
0.12	«	«	0.40…0.63	8	**GV2ME046**		*90.20*
0.18							
0.25	«	«	0.63…1	13	**GV2ME056**		*90.20*
0.37	«	«	1…1.6	22.5	**GV2ME066**		*86.10*
0.55	«	«					
0.75	«	«	1.6…2.5	33.5	**GV2ME076**		*86.10*
1.1	«	«	2.5…4	51	**GV2ME086**		*86.10*
1.5	«	«					
2.2	«	«	4…6.3	78	**GV2ME106**		*86.10*
3	«	«	6…10	138	**GV2ME146**		*98.40*
4	«	«					
5.5	15	50	9…14	170	**GV2ME166**		*98.40*
7.5	15	50	13…18	223	**GV2ME206**		*98.40*
9	15	40	17…23	327	**GV2ME216**		*108.70*
11	15	40	20…25	327	**GV2ME226**	*(3)*	*108.70*
15	10	50	24…32	416	**GV2ME326**		*137.40*

(1) As % of Icu.
(2) The thermal trip setting must be within the range marked on the graduated knob.
(3) Maximum rating which can be mounted in enclosures GV2 MC or MP, please consult Sales Office.
« > 100 kA.

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TeSys protection components

Thermal-magnetic motor circuit-breakers
Magnetic motor circuit-breakers
GV2 P, GV3 P/L and GV3 ME80

unit price (excl. GST in Singapore Dollars)

Thermal-magnetic motor circuit-breakers from 0.06 to 30 kW / 400 V

GV2 P

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415V			Setting range of thermal trips *(2)*	Magnetic tripping current *Id ± 20 %*	Reference		Price (S$)
P	Icu	Ics *(1)*					
kW	**kA**	**%**	**A**	**A**			**(unit)**
GV2 P: control by rotary knob, Screw clamp terminals							
–	–	–	0.1…0.16	1.5	**GV2P01**		*123.00*
0.06	«	«	0.16…0.25	2.4	**GV2P02**		*123.00*
0.09	«	«	0.25…0.40	5	**GV2P03**		*123.00*
0.12	«	«	0.40…0.63	8	**GV2P04**		*123.00*
0.18							
0.25	«	«	0.63…1	13	**GV2P05**		*123.00*
0.37	«	«	1…1.6	22.5	**GV2P06**		*117.90*
0.55	«	«					
0.75	«	«	1.6…2.5	33.5	**GV2P07**		*117.90*
1.1	«	«	2.5…4	51	**GV2P08**		*117.90*
2.2	«	«	4…6.3	78	**GV2P10**		*117.90*
3	«	«	6…10	138	**GV2P14**		*135.30*
5.5	«	«	9…14	170	**GV2P16**		*135.30*
7.5	50	50	13…18	223	**GV2P20**		*135.30*
9	50	50	17…23	327	**GV2P21**		*146.60*
11	50	50	20…25	327	**GV2P22**		*146.60*
15	35	50	24…32	416	**GV2P32**		*187.60*
GV3 P: control by rotary knob, connection by EverLink® BTR screw connector (3)							
5.5	100	50	9…13	182	**GV3P13**		*187.60*
7.5	100	50	12…18	252	**GV3P18**		*187.60*
11	100	50	17…25	350	**GV3P25**		*204.00*
15	100	50	23…32	448	**GV3P32**		*204.00*
18.5	50	50	30…40	560	**GV3P40**		*210.20*
22	50	50	37…50	700	**GV3P50**		*248.10*
30	50	50	48…65	910	**GV3P65**		*249.80*
GV3 ME80: pushbutton control, screw clamp terminals							
37	15	50	56…80		**GV3ME80**	*(4)*	*237.70*

Motor circuit-breakers from 0.09 to 30 kW

GV3 L65

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415V			Magnetic protection rating	Tripping current Id ± 20 %	Use in association with TOR	Reference	Price (S$)
P	Icu	Ics *(1)*					
kW	**kA**	**%**	**A**	**A**	Class 10 A		
GV3 L: control by rotary knob, connection by EverLink® BTR screw connector							
11	100	50	25	350	LRD22	**GV3L25**	*182.50*
15	100	50	32	448	LRD32	**GV3L32**	*182.50*
18,5	50	50	40	560	LRD3355	**GV3L40**	*207.10*
22	50	50	50	700	LRD3357	**GV3L50**	*222.50*
30	50	50	65	910	LRD3359	**GV3L65**	*238.50*
GV3 L: control by rotary knob, connection by lugs							
11	100	50	25	350	LRD22	**GV3L256**	*182.50*
15	100	50	32	448	LRD32	**GV3L326**	*182.50*
18,5	50	50	40	560	LRD3355	**GV3L406**	*207.10*
22	50	50	50	700	LRD3357	**GV3L506**	*222.50*
30	50	50	65	910	LRD3359	**GV3L656**	*240.00*

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) BTR screws: hexagon socket head. Require use of an insulated Allen key, in compliance with local wiring regulations.

(4) Recommended for use in association with a contactor.

TeSys protection components

Thermal-magnetic motor circuit-breakers GV7 R and GV2 RT

unit price (excl. GST in Singapore Dollars)

Thermal-magnetic circuit-breakers GV7 R with screw clamp terminals

Control by rocker lever

GV7 RE

GV7 RS

Standard power ratings of 3-phase motors 400/415V 50-60 Hz in category AC-3			Setting range of thermal trips	Reference	Price (S$)
P	Icu	Ics *(1)*			
kW	**kA**	**%**	**A**		
7.5	36	100	12…20	**GV7RE20**	*471.50*
9	36	100			
7.5	70	100	12…20	**GV7RS20**	*550.00*
9	70	100			
9	36	100	15…25	**GV7RE25**	*515.00*
11	36	100			
9	70	100	15…25	**GV7RS25**	*550.00*
11	70	100			
18.5	36	100	25…40	**GV7RE40**	*545.00*
18.5	70	100	25…40	**GV7RS40**	*585.00*
22	36	100	30…50	**GV7RE50**	*549.80*
22	70	100	30…50	**GV7RS50**	*579.00*
37	36	100	48…80	**GV7RE80**	*569.80*
37	70	100	48…80	**GV7RS80**	*588.00*
45	36	100	60…100	**GV7RE100**	*607.90*
45	70	100	60…100	**GV7RS100**	*607.90*
55	35	100	90…150	**GV7RE150**	*703.20*
75	35	100			
55	70	100	90…150	**GV7RS150**	*703.20*
75	70	100			
90	35	100	132…220	**GV7RE220**	*937.90*
110	35	100			
90	70	100	132…220	**GV7RS220**	*937.90*
110	70	100			

For motors with high current peak on starting

Control by rocker lever

GV2 RT

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3		Setting range of thermal trips *(2)*	Magnetic tripping current *Id ± 20 %*	Reference	Price (S$)
220/230 V	400/415 V				
kW	**kW**	**A**	**A**		**(unit)**
0.06	0.09	0.25…0.40	8	**GV2RT03**	*74.90*
–	0.12	0.40…0.63	13	**GV2RT04**	*74.90*
	0.18				
0.09	0.25	0.63…1	22	**GV2RT05**	*74.90*
0.12	0.37				
0.18	0.37	1…1.6	33	**GV2RT06**	*74.90*
0.25	0.55				
0.37	0.75	1.6…2.5	51	**GV2RT07**	*74.90*
0.55	1.1	2.5…4	78	**GV2RT08**	*74.90*
0.75	1.5				
1.1	2.2	4…6.3	138	**GV2RT10**	*74.90*
1.5	3	6…10	200	**GV2RT14**	*94.30*
2.2	4				
2.2	5.5	9…14	280	**GV2RT16**	*94.30*
3					
4	7.5	13…18	400	**GV2RT20**	*94.30*
5.5	9	17…23	400	**GV2RT21**	*94.30*
	10				

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

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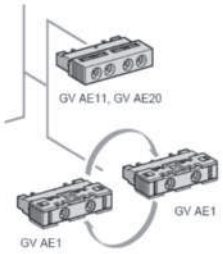
TeSys protection components

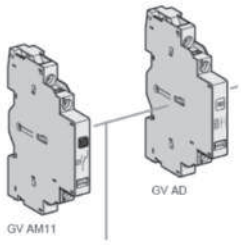
Thermal-magnetic and magnetic motor circuit breakers GV2 and GV3P

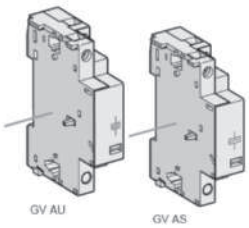
Add-on blocks and accessories

unit price (excl. GST in Singapore Dollars)

Add-on blocks and accessories







LA9 LB920

Contact blocks

Description	Mounting	Max. nos.	Type of contacts		Sold in lot of	Unit Reference	Price (S$) Lot Price
Instantaneous auxiliary contacts	Front (1)	1	N /O or N/C (2)		10	**GVAE1**	*123.00*
			N/O + N/C		10	**GVAE11**	*134.00*
			N/O + N/O		10	**GVAE20**	*134.00*
Description	Mounting	Max. nos.	Type of contacts		Sold in lot of	Unit Reference	Price (S$) (unit)
Instantaneous auxiliary contacts	Side (LH)	2	N/O + N/C		1	**GVAN11**	*13.40*
			N/O + N/O		1	**GVAN20**	*13.40*
Fault signalling contact + instantaneous auxiliary contact	Side (3) (LH)	1	N/O (fault)	+ N/O	1	**GVAD1010**	*20.50*
				+ N/C	1	**GVAD1001**	*20.50*
			N/C (fault)	+ N/O	1	**GVAD0110**	*20.50*
				+ N/C	1	**GVAD0101**	*20.50*
Short-circuit signalling contact	Side (LH)	1	C/O common point		1	**GVAM11**	*21.60*

Electric trips

Mounting	Voltage		Reference	Price (S$) (unit)
Undervoltage or shunt trips *(4)*				
Side of circuit-breaker)	24 V	50 Hz	**GVA●025**	*44.10*
	48 V	50 Hz	**GVA●055**	*44.10*
	110…115 V	50 Hz	**GVA●115**	*44.10*
	120…127 V	50 Hz	**GVA●125**	*44.10*
	220…240 V	50 Hz	**GVA●225**	*44.10*
	380…400 V	50 Hz	**GVA●385**	*44.10*
	415…440 V	50 Hz	**GVA●415**	*44.10*

Add-on contact blocks

Description	Mounting	Reference	Price (S$) (unit)
Limiters	At top (GV2 ME and GV2 P)	**GV1L3**	*91.80*
	Independent	**LA9LB920**	*266.00*
Set of 3-pole 115 A busbars 3 tap-offs. Pitch: 64 mm	GV3 P●● and GV3 L●●	**GV3G364**	*41.00*

(1) Mounting of a GV AE contact block or a GV2 AK00 visible isolation block on GV2 P and GV2 L

(2) Choice of N/C or N/O contact operation, depending on which way round the reversible block is mounted.

(3) The GV AD is always mounted next to the circuit-breaker.

(4) To order an undervoltage trip: replace the dot (●) in the reference with a U, example: GV AU025.
To order a shunt trip: replace the dot (●) in the reference with an S, example: GV AS025.

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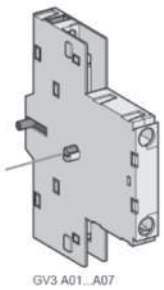
TeSys protection components

Thermal-magnetic motor circuit-breakers GV3 ME80 and GV7 R

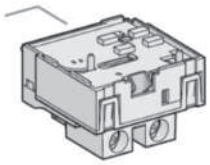
Add-on blocks and accessories

unit price (excl. GST in Singapore Dollars)

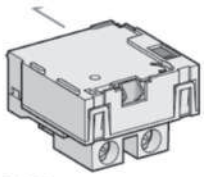
Add-on blocks and accessories for GV3 ME80



GV3 A01...A07



GV3 A08
GV3 A09



GV3 B●●
GV3 D●●

Contact blocks

Description	Type of standard early break contacts	Unit Reference	Price (S$) (unit)
Instantaneous	N/C + N/O	**GV3A01**	*15.40*
auxiliary contact	N/O + N/O	**GV3A02**	*15.40*
blocks	N/C + N/O + N/O	**GV3A03**	*25.70*
(1 per circuit-breaker)	N/O + N/O + N/O	**GV3A05**	*25.70*
	N/O + N/O + 2 volt-free terminals	**GV3A06**	*17.40*
	N/C + N/O + 2 volt-free terminals	**GV3A07**	*17.40*
Fault signalling contact	N/C	**GV3A08**	*51.30*
(1)	N/O	**GV3A09**	*51.30*

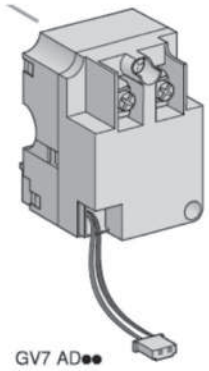
Electric trips

Mounting	Voltage 50Hz	Reference	Price (S$) (unit)
Undervoltage trip	110, 120, 127 V	**GV3B11**	*72.80*
(1)	220, 240 V	**GV3B22**	*72.80*
Shunt trip	110, 120, 127 V	**GV3D11**	*72.80*
(1)	220, 240 V	**GV3D22**	*72.80*
	380, 415 V	**GV3D38**	*73.80*

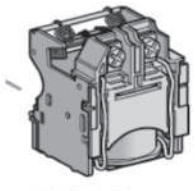
(1) 1 voltage trip OR 1 fault signalling contact to be fitted inside the motor circuit-breaker.

Add-on blocks and accessories for GV7 R

GV7 AE11, AB11



GV7 AD●●



GV7 AU, AS

Add-on auxiliary contacts

Type	Reference	Price (S$)
Standard	**GV7AE11**	*45.10*
Low level	**GV7AB11**	*53.30*

Fault discrimination devices *(2)*

Voltage	Reference	Price (S$)
24...48 a.c. and 24…72 V d.c.	**GV7AD111**	*299.00*
110…240 V a.c./d.c.	**GV7AD112**	*299.00*

Electric trips *(2)*

Type	Voltage	Reference	Price (S$)
Undervoltage trip	48 V, 50/60 Hz	**GV7AU055**	*125.10*
	110…130 V, 50/60 Hz	**GV7AU107**	*125.10*
	200…240 V, 50/60 Hz	**GV7AU207**	*125.10*
	380…440 V, 50/60 Hz	**GV7AU387**	*125.10*
Shunt trip	48 V, 50/60 Hz	**GV7AS055**	*125.10*
	110…130 V, 50/60 Hz	**GV7AS107**	*125.10*
	200…240 V, 50/60 Hz	**GV7AS207**	*125.10*
	380…440 V, 50/60 Hz	**GV7AS387**	*125.10*

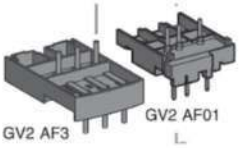
(2) For mounting of a GV7 AD or a GV7 AU or AS.

TeSys protection components

Thermal-magnetic and magnetic motor circuit breakers
GV2 and GV7 R with screw clamp connections
Accessories

unit price (excl. GST in Singapore Dollars)

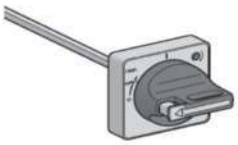
Accessories for GV2 and GV7R



Connections

Description	Application	Sold in lots of	Unit Reference	Lot Price (S$)
Combination blocks	Between GV2 and contactor LC1 K or LP1 K	10	**GV2AF01**	*150.00*
	Between GV2 and contactor LC1 D09…D38	10	**GV2AF3**	*59.00*
	Between GV2 mounted on LAD 311 and contactor LC1 D09…D38	10	**GV2AF4**	*59.00*

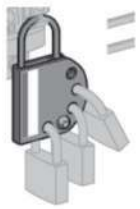
Description	Application	Sold in lots of	Unit Reference	(unit) Price (S$)
Motor starter adapter plate	With 3-pole connection for mounting a GV2 and a contactor LC1 D09…D25	1	**GK2AF01**	*17.70*



Description	Application	Pitch mm	Reference	Price (S$) (unit)
Sets of 3-pole 63 A busbars	2 tap-offs	45	**GV2G245**	*19.50*
		54	**GV2G254**	*19.50*
	3 tap-offs	45	**GV2G345**	*22.60*
		54	**GV2G354**	*22.60*
	4 tap-offs	45	**GV2G445**	*23.90*
		54	**GV2G454**	*24.60*
	5 tap-offs	54	**GV2G554**	*27.70*

Padlockable external operators

Description		Reference	Price (S$)
For GV2 P and GV2 L (150 to 290 mm)	Padlocking in “On” and “Off” position Black handle, black legend plate, IP 54	**GV2APN01**	*84.50*
	Padlocking in “Off” position Red handle, yellow legend plate, IP 54	**GV2APN02**	*84.50*
For GV2 LE	Padlocking in “On” and “Off” position Black handle, blue legend plate, IP 54	**GV2AP03**	*75.90*



Padlocking device

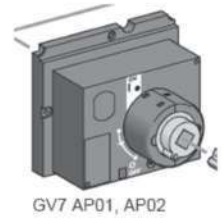
Description		Reference	Price (S$)
For all GV2 device	For use with up to 4 padlocks, Ø 6 mm shank max. (padlocks not included)	**GV2V03**	*88.00*

Direct rotary handle

Description	Type	Degree of protection	Reference	(unit) Price (S$)
Direct rotary handle for GV7	Black handle, black legend plate	IP40	**GV7AP03**	*66.70*
	Red handle, yellow legend plate	IP40	**GV7AP04**	*66.70*
Adapter plate *(1)* for GV7	Four mounting direct rotary handle on enclosure door	IP43	**GV7AP05**	*51.30*

Extended rotary handle

Description	Type	Degree of protection	Reference	(unit) Price (S$)
Extended rotary handle for GV7	Black handle, black legend plate	IP55	**GV7AP01**	*109.70*
	Red handle, yellow legend plate	IP55	**GV7AP02**	*109.70*



(1) This conversion accessory makes it impossible to open the door if the device is closed and prevents the device from being closed if the door is open.

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Life Is On Schneider Electric

TeSys motor starters - open version

Combination automatic motor starters with overload protection built into the circuit-breaker

unit price (excl. GST in Singapore Dollars)

DOL starters, non-reversing, from 0.06 to 15kW at 400/415V, type 1 co-ordination

This pre-assembled combination comprises:

- One motor circuit breaker type GV2ME
- One 3-pole contactor
- One combination block GV2AF3

GV2-DM102●●

Standard power rating of 3-phase motors 50/60Hz in AC3 400/415V	Setting range of thermal trips	Fixed magnetic tripping current 13 Irth	**Combination comprise:**		**Pre-assembled reference** c/w code indicating control circuit voltage (1)	**Price (S$)**
			Motor circuit breaker **reference**	**Contactor** Basic ref. complete with a.c. control circuit voltage (1)		
kW	**A**	**A**				**(unit)**
0.06	0.16 - 0.25	2.4	GV2ME02	LC1D09●●	**GV2DM102●●**	*198.40*
0.09	0.25 - 0.40	5	GV2ME03	LC1D09●●	**GV2DM103●●**	*198.40*
0.18	0.40 - 0.63	8	GV2ME04	LC1D09●●	**GV2DM104●●**	*198.40*
0.37	0.63 - 1	13	GV2ME05	LC1D09●●	**GV2DM105●●**	*198.40*
0.55	1 - 1.6	22.5	GV2ME06	LC1D09●●	**GV2DM106●●**	*195.40*
0.75	1.6 - 2.5	33.5	GV2ME07	LC1D09●●	**GV2DM107●●**	*195.40*
1.5	2.5 - 4	51	GV2ME08	LC1D09●●	**GV2DM108●●**	*195.40*
2.2	4 - 6.3	78	GV2ME10	LC1D09●●	**GV2DM110●●**	*195.40*
4	6 - 10	138	GV2ME14	LC1D09●●	**GV2DM114●●**	*206.60*
5.5	9 - 14	170	GV2ME16	LC1D12●●	**GV2DM116●●**	*213.70*
7.5	13 - 18	223	GV2ME20	LC1D18●●	**GV2DM120●●**	*226.30*
9	17 - 23	327	GV2ME21	LC1D25●●	**GV2DM121●●**	*258.40*
11	20 - 25	327	GV2ME22	LC1D25●●	**GV2DM122●●**	*258.40*
15	24 - 32	416	GV2ME32	LC1D32●●	**GV2DM132●●**	*286.10*
18.5	30 - 40	560	GV3P40	LC1D40A●●	**-**	
22	37 - 50	700	GV3P50	LC1D50A●●	**-**	
30	48 - 65	910	GV3P65	LC1D65A●●	**-**	

(1) Standard control circuit voltages. Consult us for other voltages.

Replace suffix ●● with below control circuit voltage code

Volts	**24**	**220**	**230**
50/60 Hz	B7	M7	P7

G

Motor Starters- open version

Open type Direct-On-Line motor starter
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for single phase Direct-On-Line motor starter

- 240V single phase motor application.
- Higher motor rating, please consult our local sales office.

Standard power ratings of single phase motors 240V			Contactor		Thermal overload		Total Price per starter
			Reference (1)	Price (S$)	Reference	Price (S$)	
kW	**HP**	**Amp**					**(S$)**
0.37	0.5	3.6	**LC1K0610●●**	*22.60*	**LR2K0310**	*41.90*	*64.50*
0.55	0.75	4.8	**LC1K0610●●**	*22.60*	**LR2K0312**	*41.90*	*64.50*
0.75	1	6.1	**LC1K0910●●**	*27.70*	**LR2K0314**	*46.20*	*73.90*
1.1	1.5	8.8	**LC1K0910●●**	*27.70*	**LR2K0316**	*46.20*	*73.90*
1.5	2	11.7	**LC1D09●●**	*27.90*	**LRD16**	*36.90*	*64.80*
2.2	3	17.1	**LC1D12●●**	*35.00*	**LRD21**	*36.90*	*71.90*
3	4	22.2	**LC1D18●●**	*47.60*	**LRD22**	*44.10*	*91.70*
4	5.5	27.1	**LC1D25●●**	*72.50*	**LRD32**	*59.50*	*132.00*
5.5	7.5	38.7	**LC1D40A●●**	*177.70*	**LRD350**	*108.00*	*285.70*
7.5	10	50	**LC1D40A●●**	*177.70*	**LRD365**	*114.90*	*292.60*

(1) Replace suffix ●● with coil voltage code from page G2 and G6 for K and D range contactors respectively.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G2 or G6

Life Is On Schneider Electric

Motor Starters - open version

Open type Direct-On-Line motor starter
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

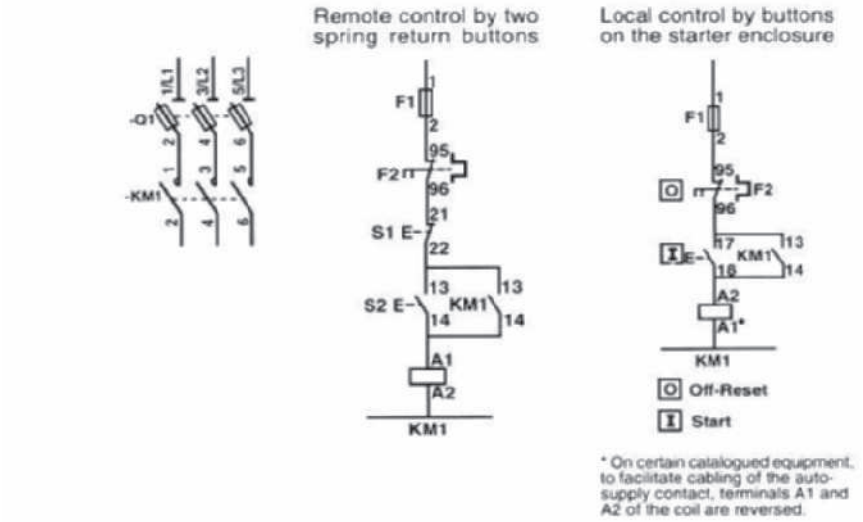
Sub-assembly by customer for 3-phase Direct-On-Line motor starter

- 415V 3-phase motor application.
- Higher motor rating, please consult our local sales office.
- Refer to our catalogue for type 1 co-ordination with our circuit breaker

Standard power rating of 3-phase m otors 415V			Contactor		Thermal overload		*Total Price per starter (S$)*
P	P	Ie	Reference (1)	Price (S$)	Reference	Price (S$)	
kW	**HP**	**Amp**					
0.37	0.5	1	**LC1D09●●**	*27.90*	**LRD06**	*38.00*	*65.90*
0.55	0.75	1.5	**LC1D09●●**	*27.90*	**LRD06**	*38.00*	*65.90*
0.75	1	2	**LC1D09●●**	*27.90*	**LRD07**	*36.90*	*64.80*
1.1	1.5	2.5	**LC1D09●●**	*27.90*	**LRD08**	*36.90*	*64.80*
1.5	2	3.5	**LC1D09●●**	*27.90*	**LRD08**	*36.90*	*64.80*
2.2	3	5	**LC1D09●●**	*27.90*	**LRD10**	*36.90*	*64.80*
3	4	6.5	**LC1D09●●**	*27.90*	**LRD12**	*36.90*	*64.80*
3.7	5	7.5	**LC1D09●●**	*27.90*	**LRD12**	*36.90*	*64.80*
4	5.5	8.4	**LC1D09●●**	*27.90*	**LRD14**	*36.90*	*64.80*
5.5	7.5	11	**LC1D12●●**	*35.00*	**LRD16**	*36.90*	*71.90*
7.5	10	14.8	**LC1D18●●**	*47.60*	**LRD21**	*36.90*	*84.50*
9	12	18.1	**LC1D25●●**	*72.50*	**LRD22**	*44.10*	*116.60*
11	15	21	**LC1D25●●**	*72.50*	**LRD22**	*44.10*	*116.60*
15	20	28.5	**LC1D32●●**	*85.00*	**LRD32**	*59.50*	*144.50*
18.5	25	35	**LC1D40A●●**	*177.70*	**LRD340**	*98.40*	*276.10*
22	30	42	**LC1D50A●●**	*195.50*	**LRD350**	*108.00*	*303.50*
30	40	55	**LC1D65A●●**	*240.90*	**LRD365**	*114.90*	*355.80*
37	50	69	**LC1D80●●**	*274.70*	**LRD3363**	*161.00*	*435.70*
45	60	81	**LC1D95●●**	*330.10*	**LRD3365**	*183.50*	*513.60*
55	75	100	**LC1D115●●**	*447.50*	**LRD4367**	*243.00*	*690.50*
			LADN11	*14.40*			
75	100	135	**LC1D150●●**	*568.60*	**LRD4369**	*264.50*	*833.10*
			LADN11	*14.40*			

(1) Replace suffix ●● with coil voltage code from page G6 for D range contactor.
Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G6

Direct-on-line starters for motor control



Motor Starters - open version

Open type Star-Delta motor starter (4 to 45kW)
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

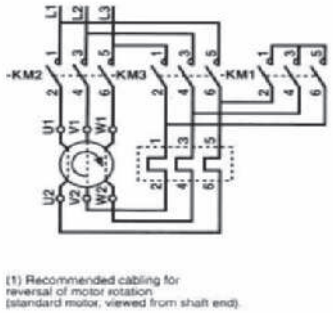
Sub-assembly by customer for Star-Delta motor starters

● Mechanical interlocks between Star and Delta contactors is possible, please consult our local sales office.

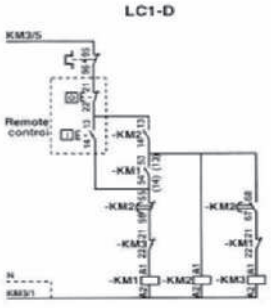
Standard power rating of 3-phase motors 415V			**Star** contactor c/w 1NO+1NC aux. contacts (1)		**Delta** contactor c/w 1NO+1NC aux. contacts (1)		**Line** contactor c/w 1NO+1NC aux. contacts & timer (1)		**Thermal overload** To be fixed on delta		***Total Price per starter***
kW	**HP**	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	***(S$)***
4	5.5	8.4	**LC1D09●●**	*27.90*	**LC1D09●●**	*27.90*	**LC1D09●●** **LADS2**	*27.90* *58.50*	**LRD10**	*36.90*	*179.10*
5.5	7.5	11	**LC1D09●●**	*27.90*	**LC1D09●●**	*27.90*	**LC1D09●●** **LADS2**	*27.90* *58.50*	**LRD12**	*36.90*	*179.10*
7.5	10	14	**LC1D09●●**	*27.90*	**LC1D09●●**	*27.90*	**LC1D09●●** **LADS2**	*27.90* *58.50*	**LRD14**	*36.90*	*179.10*
9	12	17	**LC1D09●●**	*27.90*	**LC1D12●●**	*35.00*	**LC1D12●●** **LADS2**	*35.00* *58.50*	**LRD16**	*36.90*	*193.30*
11	15	21	**LC1D09●●**	*27.90*	**LC1D12●●**	*35.00*	**LC1D12●●** **LADS2**	*35.00* *58.50*	**LRD16**	*36.90*	*193.30*
15	20	28	**LC1D12●●**	*35.00*	**LC1D18●●**	*47.60*	**LC1D18●●** **LADS2**	*47.60* *58.50*	**LRD21**	*36.90*	*225.60*
18.5	25	35	**LC1D12●●**	*35.00*	**LC1D25●●**	*72.50*	**LC1D25●●** **LADS2**	*72.50* *58.50*	**LRD22**	*44.10*	*282.60*
22	30	40	**LC1D18●●**	*47.60*	**LC1D25●●**	*72.50*	**LC1D25●●** **LADS2**	*72.50* *58.50*	**LRD32**	*59.50*	*310.60*
25	35	47	**LC1D25●●**	*72.50*	**LC1D32●●**	*85.00*	**LC1D32●●** **LADS2**	*85.00* *58.50*	**LRD32**	*59.50*	*360.50*
30	40	55	**LC1D25●●**	*72.50*	**LC1D32●●**	*85.00*	**LC1D32●●** **LADS2**	*85.00* *58.50*	**LRD35**	*71.80*	*372.80*
33	45	60	**LC1D25●●**	*72.50*	**LC1D38●●**	*127.40*	**LC1D38●●** **LADS2**	*127.40* *58.50*	**LRD35**	*71.80*	*457.60*
37	50	66	**LC1D25●●**	*72.50*	**LC1D40A●●**	*177.70*	**LC1D40A●●** **LADS2**	*177.70* *58.50*	**LRD340**	*98.40*	*584.80*
40	54	71	**LC1D25●●**	*72.50*	**LC1D40A●●**	*177.70*	**LC1D40A●●** **LADS2**	*177.70* *58.50*	**LRD350**	*108.00*	*594.40*
45	60	80	**LC1D32●●**	*85.00*	**LC1D50A●●**	*195.50*	**LC1D50A●●** **LADS2**	*195.50* *58.50*	**LRD350**	*108.00*	*642.50*

(1) Replace suffix ●● with coil voltage code from page G6 for D range contactor. Price indicated is for A.C. control voltage coil only, ref. page G6 for other control voltage coil price.

Start-Delta starters for motor control



(1) Recommended cabling for reversal of motor rotation (standard motor, viewed from shaft end).



G

Life Is On Schneider Electric

Motor Starters - open version

Open type Star-Delta motor starter (51 to 220kW)
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for Star-Delta motor starter

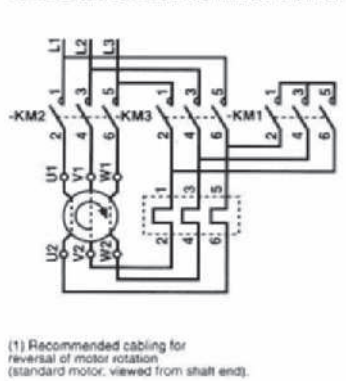
● Mechanical interlocks between Star and Delta contactors is possible, please consult our local sales office.

Standard power rating of 3-phase motors 415V			Star contactor c/w 1NO+1NC aux. contacts (1)		Delta contactor c/w 1NO+1NC aux. contacts (1)		Line contactor c/w 1NO+1NC aux. contacts (1)		Thermal overload To be fixed on delta		Total Price per starter
kW	**HP**	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	**(S$)**
51	70	90	**LC1D32●●**	*85.00*	**LC1D65A●●**	*240.90*	**LC1D65A●●** **LADS2**	*240.90* *58.50*	**LRD365**	*114.90*	740.20
63	85	115	**LC1D40A●●**	*177.70*	**LC1D80●●**	*274.70*	**LC1D80●●** **LADS2**	*274.70* *58.50*	**LRD3363**	*161.00*	946.60
75	100	135	**LC1D50A●●**	*195.50*	**LC1D80●●**	*274.70*	**LC1D80●●** **LADS2**	*274.70* *58.50*	**LRD3363**	*161.00*	964.40
90	125	165	**LC1D65A●●**	*240.90*	**LC1D95●●**	*330.10*	**LC1D95●●** **LADS2**	*330.10* *58.50*	**LRD3365**	*183.50*	1,143.10
110	150	200	**LC1D80●●**	*274.70*	**LC1D150●●**	*568.60*	**LC1D150●●** **LADS2**	*568.60* *58.50*	**LRD4369**	*264.50*	1,734.90
129	175	230	**LC1D80●●**	*274.70*	**LC1D150●●**	*568.60*	**LC1D150●●** **LADS2**	*568.60* *58.50*	**LRD4369**	*264.50*	1,734.90
140	190	250	**LC1D95●●**	*330.10*	**LC1D150●●**	*568.60*	**LC1D150●●** **LADS2**	*568.60* *58.50*	**LR9D5369**	*329.00*	1,854.80
147	200	260	**LC1D95●●**	*330.10*	**LC1D150●●**	*568.60*	**LC1D150●●** **LADS2**	*568.60* *58.50*	**LR9D5369**	*329.00*	1,854.80
150	205	270	**LC1D95●●**	*330.10*	**LC1F185●●** **LADN22**	*765.00* *22.60*	**LC1F185●●** **LADN22** **LADS2**	*765.00* *22.60* *58.50*	**LR9F5371**	*384.40*	2,348.20
180	245	320	**LC1D115●●**	*447.50*	**LC1F185●●** **LADN22**	*765.00* *22.60*	**LC1F185●●** **LADN22** **LADS2**	*765.00* *22.60* *58.50*	**LR9F5371**	*384.40*	2,465.60
200	270	340	**LC1D115●●**	*447.50*	**LC1F225●●** **LADN22**	*1,150.10* *22.60*	**LC1F225●●** **LADN22** **LADS2**	*1,150.10* *22.60* *58.50*	**LR9F5371**	*384.40*	3,235.80
220	300	385	**LC1D150●●**	*568.60*	**LC1F225●●** **LADN22**	*1,150.10* *22.60*	**LC1F225●●** **LADN22** **LADS2**	*1,150.10* *22.60* *58.50*	**LR9F5371**	*384.40*	3,356.90

(1) Replace suffix ●● with coil voltage code from page G6 and G18 for D and F range contactors respectively.

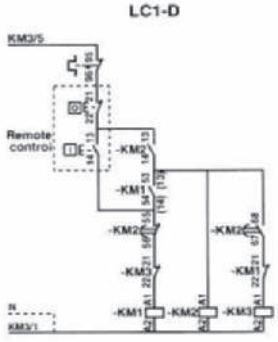
Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G6 and G18.

Start-Delta starters for motor control



(1) Recommended cabling for reversal of motor rotation (standard motor, viewed from shaft end).

LC1-D



G

Motor Starters - open version

Open type Star-Delta motor starter (257 to 355kW)
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

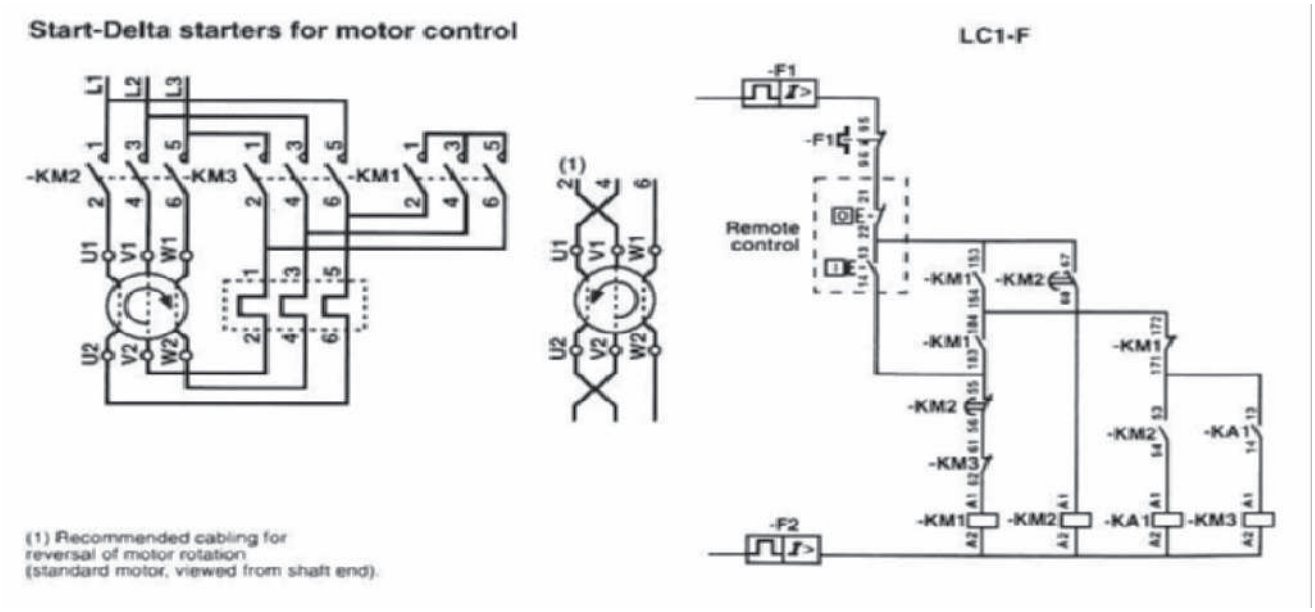
Sub-assembly by customer for Star-Delta motor starters

● Mechanical interlocks between Star and Delta contactors is possible, please consult our local sales office.

Standard power rating of 3-phase motors 415V			Star contactor c/w 1NO+1NC aux. contacts (1)		Delta contactor c/w 1NO+1NC aux. contacts (1)		Line contactor c/w 1NO+1NC aux. contacts (1)		Thermal overload To be fixed on delta		Total Price per starter
kW	**HP**	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	**(S$)**
257	350	450	**LC1F185●●**	*765.00*	**LC1F330●●**	*1,550.00*	**LC1F330●●**	*1,550.00*	**LR9F7375**	*439.80*	4,431.10
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
280	380	475	**LC1F185●●**	*765.00*	**LC1F330●●**	*1,550.00*	**LC1F330●●**	*1,550.00*	**LR9F7375**	*439.80*	4,431.10
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
295	400	500	**LC1F185●●**	*765.00*	**LC1F330●●**	*1,550.00*	**LC1F330●●**	*1,550.00*	**LR9F7375**	*439.80*	4,431.10
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
315	430	535	**LC1F185●●**	*765.00*	**LC1F330●●**	*1,550.00*	**LC1F330●●**	*1,550.00*	**LR9F7375**	*439.80*	4,431.10
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
335	450	550	**LC1F185●●**	*765.00*	**LC1F330●●**	*1,550.00*	**LC1F330●●**	*1,550.00*	**LR9F7375**	*439.80*	4,431.10
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
355	480	580	**LC1F225●●**	*1,150.10*	**LC1F400●●**	*2,088.00*	**LC1F400●●**	*2,088.00*	**LR9F7379**	*556.60*	6,009.00
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			

(1) Replace suffix ●● with coil voltage code from page G18 for F range contactors.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G18.



Life Is On Schneider Electric

Motor Starters - open version

Open type Star-Delta motor starter (375 to 500kW)
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

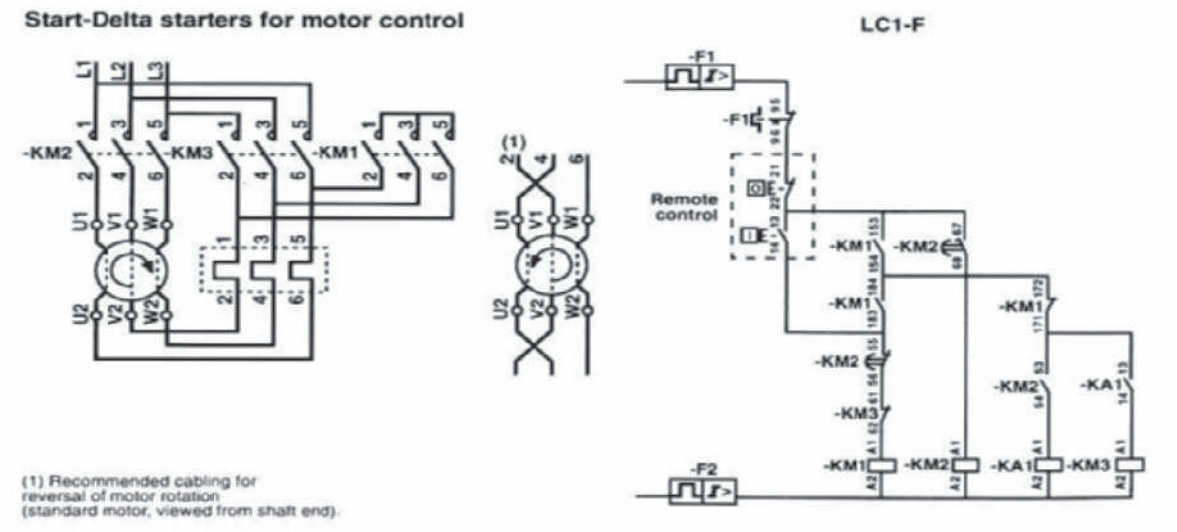
Sub-assembly by customer for Star-Delta motor starters

● Mechanical interlocks between Star and Delta contactors is possible, please consult our local sales office.

Standard power rating of 3-phase motors 415V			**Star** contactor c/w 1NO+1NC aux. contacts		**Delta** contactor c/w 1NO+1NC aux. contacts		**Line** contactor c/w 1NO+1NC aux. contacts & timer		**Thermal overload** To be fixed on delta		**Total Price per starter**
kW	**HP**	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	**(S$)**
375	500	610	**LC1F225●●**	*1,150.10*	**LC1F400●●**	*2,088.00*	**LC1F400●●**	*2,088.00*	**LR9F7379**	*556.60*	6,009.00
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
400	545	650	**LC1F225●●**	*1,150.10*	**LC1F400●●**	*2,088.00*	**LC1F400●●**	*2,088.00*	**LR9F7379**	*556.60*	6,009.00
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
425	580	690	**LC1F265●●**	*1,248.00*	**LC1F400●●**	*2,088.00*	**LC1F400●●**	*2,088.00*	**LR9F7379**	*556.60*	6,106.90
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
445	600	730	**LC1F265●●**	*1,248.00*	**LC1F500●●**	*2,488.00*	**LC1F500●●**	*2,488.00*	**LR9F7379**	*556.60*	6,906.90
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
475	645	780	**LC1F265●●**	*1,248.00*	**LC1F500●●**	*2,488.00*	**LC1F500●●**	*2,488.00*	**LR9F7379**	*556.60*	6,906.90
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			
500	680	820	**LC1F330●●**	*1,550.00*	**LC1F500●●**	*2,488.00*	**LC1F500●●**	*2,488.00*	# **LR9F7379**	*556.60*	7,208.90
			LADN22	*22.60*	**LADN22**	*22.60*	**LADN22**	*22.60*			
							LADS2	*58.50*			

(1) Replace suffix ●● with coil voltage code from page G18 for F range contactors.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G18.



G

Motor Starters - open version

Open type Auto-Transformer Starter (37 to 160kW)
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for Auto-Transformer starters

The components recommended in the table below have been determined according to the following characteristics:

- Rated operational voltage: 400V
- Auto-transformer: on 0.6Un tap with non-adjustable air gap
- Motor Power/AT Power = 7
- 3 starts per hour, of which 2 are consecutive
- Motor starting current: Id/In = 6
- Transient current on closing of KM3 ≤ 7√2 In
- Maximum starting time: 10s
- Ambient temperature θ ≤ 40° C

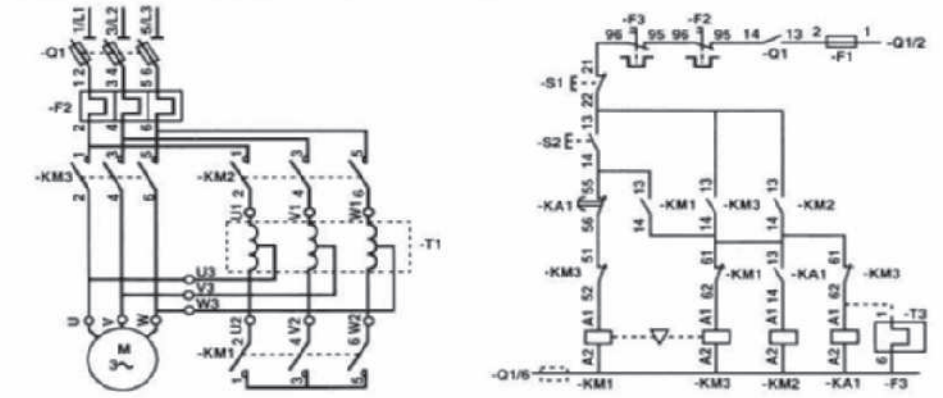
Note: As the characteristics of auto-transformers vary significantly depending on their tap ratio, air-gap and power ratings, it is advised that the designer exercise prudence when selecting the starter components.

Motor rated Power @400V	Indicative rated operational current @ 400V	**Line** contactor KM3 with aux. contacts (1)		**Transformer** contactor KM2 with timer (1)		**Star** contactor KM1 (1)		**Thermal overload** (Fitted at Line side)		**Total Price per starter**
kW	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	**(S$)**
37	66	**LC1D80••**	*274.70*	**LC1D65A••**	*240.90*	**LC1D25••**	*72.50*	**LRD3361**	*137.00*	798.00
		LADN11	*14.40*	**LADT2**	*58.50*					
45	80	**LC1D95••**	*330.10*	**LC1D80••**	*274.70*	**LC1D25••**	*72.50*	**LRD3365**	*183.50*	933.70
		LADN11	*14.40*	**LADT2**	*58.50*					
55	97	**LC1D115••**	*447.50*	**LC1D95••**	*330.10*	**LC1D32••**	*85.00*	**LR9D5367**	*285.00*	1,220.50
		LADN11	*14.40*	**LADT2**	*58.50*					
75	132	**LC1D150••**	*568.60*	**LC1D115••**	*447.50*	**LC1D50A••**	*195.50*	**LR9D5369**	*329.00*	1,613.50
		LADN11	*14.40*	**LADT2**	*58.50*					
90	160	**LC1F185••**	*765.00*	**LC1D150••**	*568.60*	**LC1D65A••**	*240.90*	**LR9F5371**	*384.40*	2,040.00
		LADN22	*22.60*	**LADT2**	*58.50*					
110	195	**LC1F225••**	*1,150.10*	**LC1F185••**	*765.00*	**LC1D65A••**	*240.90*	**LR9F5371**	*384.40*	2,635.90
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
132	230	**LC1F265••**	*1,248.00*	**LC1F225••**	*1,150.10*	**LC1D80••**	*274.70*	**LR9F7375**	*439.80*	3,208.10
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
160	280	**LC1F330••**	*1,550.00*	**LC1F265••**	*1,248.00*	**LC1D95••**	*330.10*	**LR9F7375**	*439.80*	3,663.40
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					

(1) Replace suffix •• with coil voltage code from page G6 and G18 for D and F range contactors respectively.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G6 and G18..

Auto-transformer starters for motor control



Life Is On Schneider Electric

Motor Starters - open version

Open type Auto-Transformer Starter (200 to 400kW)

Sub-assembly by customer (Con't…)

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for Auto-Transformer starters

The components recommended in the table below have been determined according to the following characteristics:

- Rated operational voltage: 400V
- Auto-transformer: on 0.6Un tap with non-adjustable air gap
- Motor Power/AT Power = 7
- 3 starts per hour, of which 2 are consecutive
- Motor starting current: Id/In = 6
- Transient current on closing of KM3 ≤ 7√2 In
- Maximum starting time: 10s
- Ambient temperature θ ≤ 40° C

Note: As the characteristics of auto-transformers vary significantly depending on their tap ratio, air-gap and power ratings, it is advised that the designer exercise prudence when selecting the starter components.

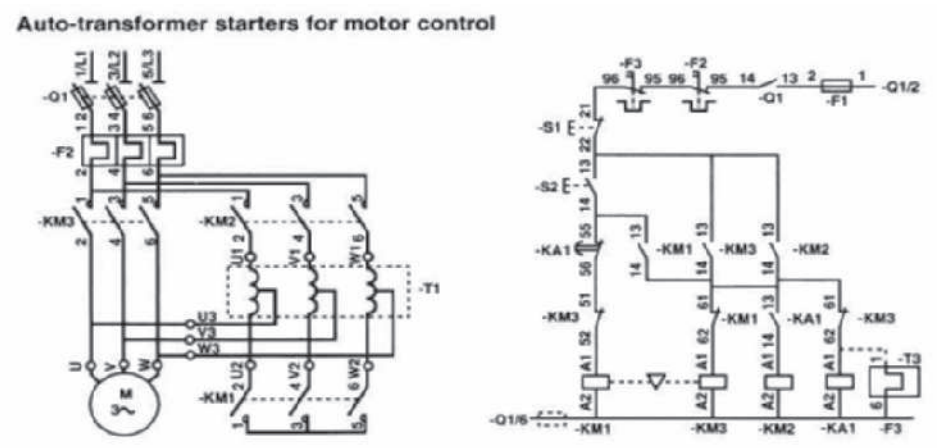
Motor rated Power @400V	Indicative rated operational current @ 400V	**Line** contactor KM3 with aux. contacts (1)		**Transformer** contactor KM2 with timer (1)		**Star** contactor KM1 (1)		**Thermal overload** (Fitted at Line side)		**Total Price per starter**
kW	**Amp**	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)	**(S$)**
200	350	**LC1F400••**	*2,088.00*	**LC1F330••**	*1,550.00*	**LC1D115••**	*447.50*	**LR9F7379**	*556.60*	4,737.60
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
250	430	**LC1F500••**	*2,488.00*	**LC1F400••**	*2,088.00*	**LC1D150••**	*568.60*	**LR9F7379**	*556.60*	5,796.70
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
315	540	**LC1F630••**	*3,753.90*	**LC1F500••**	*2,488.00*	**LC1F185••**	*765.00*	**LR9F7381**	*676.50*	7,778.90
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
355	610	**LC1F630••**	*3,753.90*	**LC1F630••**	*3,753.90*	**LC1F225••**	*1,150.10*	**LR9F7381**	*676.50*	9,429.90
		LADN22	*22.60*	**LADN11**	*14.40*					
				LADT2	*58.50*					
400	690	**LC1F800••**	*6,103.90*	**LC1F630••**	*3,753.90*	**LC1F265••**	*1,248.00*	**LRD10**	*36.90*	11,238.20
		LADN22	*22.60*	**LADN11**	*14.40*			*(2)*		
				LADT2	*58.50*					

(1) Replace suffix •• with coil voltage code from page G6 and G18 for D and F range contactors respectively.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G6 and G18..

(2) CT not included, secondary 5A.

Auto-transformer starters for motor control



G

TeSys motor starters- open version

D.O.L. starters with circuit-breaker and overload protection built into the circuit-breaker Combinations for assembly by the customer

unit price (excl. GST in Singapore Dollars)

0.06 to 110 kW at 400/415 V: type 1 coordination

Standard power rating of 3-phase motors in cat. AC-3 400/415V			**Circuit-breaker** Setting range of thermal trips *(1)*			**Contactor** *Basic reference,* to be completed by adding the voltage code *(2)*				
P	Ie	Iq								(unit)
kW	**A**	**kA**	**A**	Reference	Price (S$)	Reference	Price (S$)		Reference	Price (S$)
0.06	0.22	50	0.16…0.25	**GV2ME02**	*82.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
0.09	0.36	50	0.25…0.40	**GV2ME03**	*82.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
0.12	0.42	50	0.40…0.63	**GV2ME04**	*82.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
0.18	0.6	50								
0.25	0.88	50	0.63…1	**GV2ME05**	*82.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
0.37	0.98	50								
0.55	1.5	50	1…1.6	**GV2ME06**	*79.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
0.75	2	50	1.6…2.5	**GV2ME07**	*79.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
1.1	2.5	50	2.5…4	**GV2ME08**	*79.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
1.5	3.5	50								
2.2	5	50	4…6.3	**GV2ME10**	*79.00*	**LC1K0610●●**	*22.60*	or	**LC1D09●●**	*27.90*
3	6.5	50	6…10	**GV2ME14**	*90.20*	**LC1K0910●●**	*27.70*	or	**LC1D09●●**	*27.90*
4	8.4	50								
5.5	11	15	9…14	**GV2ME16**	*90.20*	**LC1K1210●●**	*35.90*	or	**LC1D09●●**	*27.90*
7.5	14.8	15	13…18	**GV2ME20**	*90.20*	**LC1D18●●**	*47.60*			
9	18.1	15	17…23	**GV2ME21**	*97.40*	**LC1D25●●**	*72.50*			
11	21	15	20…25	**GV2ME22**	*97.40*	**LC1D25●●**	*72.50*			
15	28.5	10	24…32	**GV2ME32**	*125.10*	**LC1D32●●**	*85.00*			
18.5	35	35	25…40	**GV3P40**	*210.20*	**LC1D38●●**	*127.40*			
22	42	35	40…63	**GV3P50**	*248.10*	**LC1D50A●●**	*195.50*			
30	57	35	40…63	**GV3P65**	*249.80*	**LC1D65A●●**	*240.90*			
37	69	15	56…80	**GV3ME80**	*237.70*	**LC1D80●●**	*274.70*			
37	69	25	48…80	**GV7RE80**	*569.80*	**LC1D80●●**	*274.70*			
45	81	25	60…100	**GV7RE100**	*607.90*	**LC1D95●●**	*330.10*			
55	100	25	90…150	**GV7RE150**	*703.20*	**LC1D115●●**	*447.50*			
75	135	35	90…150	**GV7RE150**	*703.20*	**LC1D150●●**	*568.60*			
90	165	35	132…220	**GV7RE220**	*937.90*	**LC1F185●●**	*765.00*			
110	200	35	132…220	**GV7RE220**	*937.90*	**LC1F225●●**	*1,150.10*			

(1) Used combination block GV2AF3 for connection between GV2 and contactor LC1D09…D38.

(2) Replace suffix ●● with coil voltage code from page G2 and G6 for K and D range contactors respectively.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G2 and G6..

Life Is On Schneider Electric

TeSys motor starters- open version

D.O.L. starters with circuit-breaker and overload protection built into the circuit-breaker Combinations for assembly by the customer

unit price (excl. GST in Singapore Dollars)

0.06 to 110 kW at 400/415 V: type 2 coordination

Standard power rating of 3-phase motors in cat. AC-3 400/415V			**Circuit-breaker** Setting range of thermal trips						**Contactor** *Basic reference,* to be completed by adding the voltage code	
P	Ie	Iq							*(1)*	(unit)
kW	**A**	**kA**	**A**	Reference	Price (S$)		Reference	Price (S$)	Reference	Price (S$)
0.06	0.22	130	0.16…0.25	**GV2P02**	*123.00*	or	**GV2ME02**	*82.00*	**LC1D09••**	*27.90*
0.09	0.36	130	0.25…0.4	**GV2P03**	*123.00*	or	**GV2ME03**	*82.00*	**LC1D09••**	*27.90*
0.12	0.42	130	0.4…0.63	**GV2P04**	*123.00*	or	**GV2ME04**	*82.00*	**LC1D09••**	*27.90*
0.18	0.6	130								
0.25	0.88	130	0.63…1	**GV2P05**	*123.00*	or	**GV2ME05**	*82.00*	**LC1D09••**	*27.90*
0.37	0.98	130								
0.55	1.5	130	1…1.6	**GV2P06**	*117.90*	or	**GV2ME06**	*79.00*	**LC1D09••**	*27.90*
0.75	2	130	1.6…2.5	**GV2P07**	*117.90*	or	**GV2ME07**	*79.00*	**LC1D09••**	*27.90*
1.1	2.5	130	2.5…4	**GV2P08**	*117.90*	or	**GV2ME08**	*79.00*	**LC1D09••**	*27.90*
1.5	3.5	130								
2.2	5	130	4…6.3	**GV2P10**	*117.90*	or	**GV2ME10**	*79.00*	**LC1D09••**	*27.90*
3	6.5	130	6…10	**GV2P14**	*135.30*	or	**GV2ME14**	*90.20*	**LC1D09••**	*27.90*
4	8.4	130								
5.5	11	130	9…14	**GV2P16**	*135.30*	or	**GV2ME16**	*90.20*	**LC1D25••**	*72.50*
7.5	14.8	50	13…18	**GV2P20**	*135.30*	or	**GV2ME20**	*90.20*	**LC1D25••**	*72.50*
9	18.1	50	17…23	**GV2P21**	*146.60*	or	**GV2ME21**	*97.40*	**LC1D25••**	*72.50*
11	21	50	20…25	**GV2P22**	*146.60*	or	**GV2ME22**	*97.40*	**LC1D25••**	*72.50*
15	28.5	35	25…40	**GV2P32**	*187.60*	or	**GV2ME32**	*125.10*	**LC1D32••**	*85.00*
15	28.5	70	25…40	**GV7RS40**	*585.00*				**LC1D40A••**	*177.70*
18.5	35	70	25…40	**GV7RS40**	*585.00*				**LC1D40A••**	*177.70*
22	42	70	30…50	**GV7RS50**	*579.00*				**LC1D80••**	*274.70*
30	57	70	48…80	**GV7RS80**	*588.00*				**LC1D80••**	*274.70*
37	69	70	48…80.	**GV7RS80**	*588.00*				**LC1D80••**	*274.70*
45	81	70	60…100	**GV7RS100**	*607.90*				**LC1D115••**	*447.50*
55	100	70	90…150	**GV7RS150**	*703.20*				**LC1D150••**	*568.60*
75	135	70								
90	165	70	132…220	**GV7RS220**	*937.90*				**LC1F185••**	*765.00*
110	200	70	132…220	**GV7RS220**	*937.90*				**LC1F225••**	*1,150.10*

(1) Replace suffix •• with coil voltage code from page G6 and G18 for D and F range contactors respectively.

Price indicated is for A.C. control voltage coil only. Other control voltage coil, please ref. to page G6 and G18..

TeSys enclosed motor starters

D.O.L. starters for motor control
0.25 to 7.5kW with 3-phase thermal overload relay

unit price (excl. GST in Singapore Dollars)

Enclosed motor starters

Conforming to standards	IEC 60947-4-1 and IEC 60439-1, VDE 0660-102, EN 60947
Degree of protection to IEC 529	IP 65
Ambient air temperature	For operation: -5 to + 40 °C
Operating positions	Identical to those for k contactors
Material	Self-extinguishing ABS

Non-reversing starters

Starter LE1M, combined with short-circuit protection components, provides type 1 or type 2 coordination, depending on the type of devices used.

LE1-M35●●●●

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 415V		Setting range of thermal overload relay LR2K (1)	Basic reference, complete with M7 220/230V indicating control circuit voltage (2)	Price (S$)
KW	**HP**	**A**		(unit)
0.25	1/3	54…0.8	**LE1M35●●05**	*99.50*
0.37	1/2	0.8…1.2	**LE1M35●●06**	*99.50*
0.55	3/4	1.2…1.8	**LE1M35●●07**	*99.50*
0.75	1	1.8…2.6	**LE1M35●●08**	*99.50*
1.5	2	2.6…3.7	**LE1M35●●10**	*99.50*
2.2	3	3.7…5.5	**LE1M35●●12**	*99.50*
3	4	5.5…8	**LE1M35●●14**	*109.70*
4	$5^1/_2$	8…11.5	**LE1M35●●16**	*109.70*
5.5	$7^1/_2$	10…14	**LE1M35●●21**	*118.90*
7.5	10	12…16	**LE1M35●●22**	*118.90*

Description

- The standard version comprises:
  - 1 green Start button "I",
  - 1 red Stop/Reset button "O/R",
  - 1 yellow operating indicator.
- Control may be pulsed or maintained.
- An earth terminal and a neutral terminal are provided on the bottom of the enclosure

(1) Thermal overload relay fitted as standard.

(2) The contactor coil is pre-wired between 2 phases of the power circuit.

The codes indicated below are therefore correspond to the **power circuit voltage.**

Replace ●● with below others voltage code.

Volts	**220/**	**380/**	**400/**	**440**
50/60 Hz	**230**	**400**	**415**	
Code	**M7**	Q7	N7	R7

Example: 380/400 V 3-phase mains supply, 4 kW motor: **LE1M35Q716**.

G

Life Is On Schneider Electric

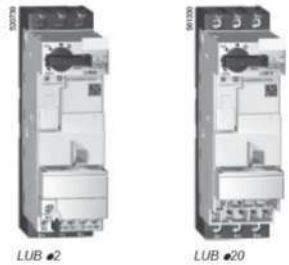
TeSys motor starters - open version

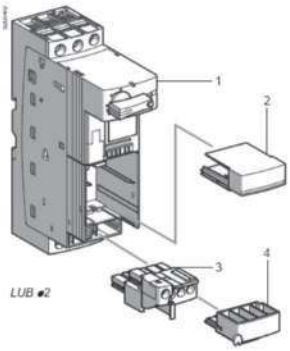
TeSys U starter-controllers

Non-reversing power bases

unit price (excl. GST in Singapore Dollars)

Power bases for non-reversing D.O.L. starting *(1)*





Two versions of control connection configuration are available:

■ **connection by screw terminals**, plug-in control terminal block,

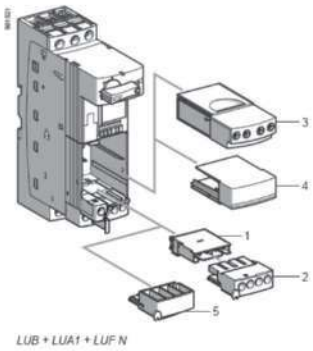
■ **without connections.** This version enables wiring to be prepared in advance and is recommended when a communication module is required (allowing the use of control connection prewiring accessories) or when a reverser block is to be mounted by the customers.

Connection		Item	Rating			Reference	Price (S$)
Power	Control	*(2)*	≤ 440 V	500 V	690 V		
			A	A	A		(unit)
These bases have 2 auxiliary contacts: 1 N/O (13-14) and 1 N/C (21-22) which indicate the closed or open position of the power poles. A low power internal contact allows power supply to the control unit to be switched off when the rotary knob is no longer in the ON position. The power bases must be used in conjunction with a control unit, see pages G41 to G42.							
Screw clamp terminals	Screw clamp terminals	1 + 2 + 3 + 4	12	12	9	**LUB12**	*115.20*
			32	23	21	**LUB32**	*180.40*

(1) Rated breaking capacity for operation on short-circuit (Ics), see table below.
For higher values, use current limiters. See page G43

Volts	**230**	**440**	**500**	**690** *(2)*
kA	50	50	10	4

(2) For 690 V, use phase barrier LU9SP0.



Auxiliary contacts

Signalling and composition	Cabling	Item	Reference	Price (S$)
1 N/C fault signalling contact (95-96), 1 N/O contact (17-18) indicating rotary knob in "ready" position	Screw clamp terminals	1 + 2	**LUA1C11**	*20.50*
1 N/O fault signalling contact (97-98) 1 N/O contact (17-18) indicating rotary knob in "ready" position	Screw clamp terminals	1 + 2	**LUA1C20**	*20.50*

Auxiliary contact modules for connection by screw clamp terminals

Composition	Item	Reference	Price (S$)
2 N/O contacts (33-34 and 43-44)	3	**LUFN20**	*24.60*
1 N/C contact (31-32) and 1 N/O contact (43-44)	3	**LUFN11**	*26.70*
2 N/C contacts (31-32 and 41-42)	3	**LUFN02**	*22.60*

Accessories

Description	For use on	Item	Reference	Price (S$)
Blanking covers	Location for add-on contact blocks	5	**LU9C2**	*3.90*

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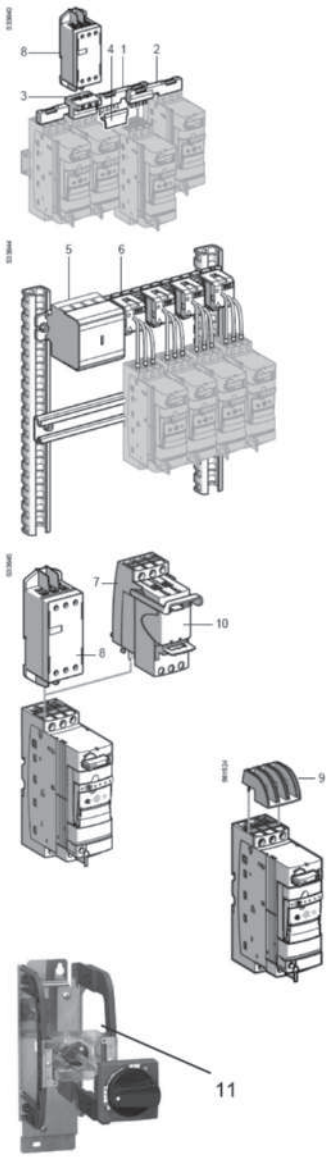
TeSys motor starters - open version

TeSys U starter-controllers

Power connection pre-wired system, limiter blocks and accessories

unit price (excl. GST in Singapore Dollars)

Power connection pre-wired system



Pre-wired system for power connections up to 63 A

Description	Item	Application	Pitch mm	Sold in lots of	Reference	Price (S$) (unit)
Sets of 3-pole 63 A busbars	2	2 tap-offs	45	1	**GV2G245**	*19.50*
			54	1	**GV2G254**	*19.50*
	–	3 tap-offs	45	1	**GV2G345**	*22.60*
			54	1	**GV2G354**	*22.60*
	1	4 tap-offs	45	1	**GV2G445**	*23.90*
			54	1	**GV2G454**	*24.60*
		5 tap-offs	54	1	**GV2G554**	*27.70*
Terminal block for supply to one or more busbar sets	3	Connection from the top	–	1	**GV1G09**	*15.40*

Description	Item	Application	Pitch mm	Sold in lots of	Reference	Price (S$) (Lot of 5)
Protective end cover	4	For unused busbar outlets	–	5	**GV1G10**	*31.00*

Limiter blocks and accessories

Application	Item	Breaking capacity Iq (kA)		Mounting	Unit Reference		Price (S$) (unit)
		≤ 440 V	**690 V**				
Limiter-disconnector *(2)(3)*	7 + 10	130	70	Direct on power base	**LUALB1**	*(1)*	*148.70*
Current limiter *(2)*	8	100	35	Separate	**LA9LB920**		*266.00*
Limiter cartridge	10	130	70	Limiter-disconnector	**LUALF1**		*81.00*

Phase barrier

Application	Item	Application	Mounting	Reference	Price (S$)
Phase barrier	9	LUB or LU2B 12 or 120 LUB or LU2B 32 or 320 LUA LB1	Direct on terminals L1, L2, L3	**LU9SP0**	*13.30*

Door interlock mechanisms

Application	Item	Reference	Price (S$)
IP54 kit, black	11	**LU9APN21**	*167.30*
IP54 kit, red/yellow	11	**LU9APN21**	*167.30*

(1) Supplied with limiter cartridge.

(2) These devices make it possible to increase the breaking capacity of the power base.

(3) The limiter must be mounted on an LUB or LU2B power base. The limiter can therefore not be common to several motor starters.

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Life Is On Schneider Electric

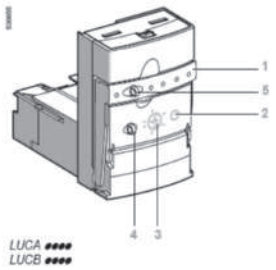
TeSys motor starters - open version

Model U starter-controllers

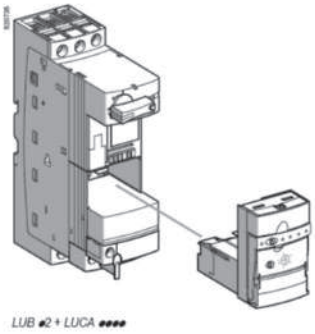
Standard and advanced control units

unit price (excl. GST in Singapore Dollars)

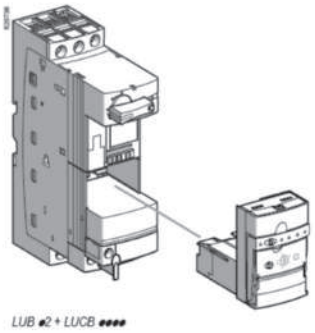
Model U starter controllers



LUCA ●●●●
LUCB ●●●●



LUB ●2 + LUCA ●●●●



LUB ●2 + LUCB ●●●●

1 Extraction and locking handle

2 Test button (on advanced control unit only)

3 Ir adjustment dial

4 Locking of settings by sealing the transparent cover

5 Sealing of locking handle

Standard control units

Maximum standard power ratings of 3-phase motors 50/60Hz			Setting range	Clip-in mounting on power base Rating	Basic reference, to be completed by adding the	Price (S$)
400/440V	500V	690V				
kW	**kW**	**kW**	**A**	**A**	voltage code (1)	**(unit)**
0.09	–	–	0.15…0.6	12 and 32	**LUCAX6●●**	*105.60*
0.25	–	–	0.35…1.4	12 and 32	**LUCA1X●●**	*109.70*
1.5	2.2	3	1.25…5	12 and 32	**LUCA05●●**	*114.80*
5.5	5.5	9	3…12	12 and 32	**LUCA12●●**	*135.30*
7.5	9	15	4.5…18	32	**LUCA18●●**	*140.50*
15	15	18.5	8…32	32	**LUCA32●●**	*209.10*
Advanced control units						
Pressing the Test button on the front panel simulates tripping on thermal overload.						
Class 10 for 3-phase motors						
0.09	–	–	0.15…0.6	12 and 32	**LUCBX6●●**	*110.70*
0.25	–	–	0.35…1.4	12 and 32	**LUCB1X●●**	*126.10*
1.5	2.2	3	1.25…5	12 and 32	**LUCB05●●**	*129.20*
5.5	5.5	9	3…12	12 and 32	**LUCB12●●**	*141.50*
7.5	9	15	4.5…18	32	**LUCB18●●**	*167.10*
15	15	18.5	8…32	32	**LUCB32●●**	*213.20*
Class 10 for single-phase motors						
–	–	–	0.15…0.6	12 and 32	**LUCCX6●●**	*110.70*
0.09	–	–	0.35…1.4	12 and 32	**LUCC1X●●**	*115.90*
0.55	–	–	1.25…5	12 and 32	**LUCC05●●**	*118.90*
2.2	–	–	3…12	12 and 32	**LUCC12●●**	*126.10*
4	–	–	4.5…18	32	**LUCC18●●**	*140.50*
7.5	–	–	8…32	32	**LUCC32●●**	*208.10*
Class 20 for 3-phase motors						
0.09	–	–	0.15…0.6	12 and 32	**LUCDX6●●**	*115.90*
0.25	–	–	0.35…1.4	12 and 32	**LUCD1X●●**	*127.10*
1.5	2.2	3	1.25…5	12 and 32	**LUCD05●●**	*133.30*
5.5	5.5	9	3…12	12 and 32	**LUCD12●●**	*144.60*
7.5	9	15	4.5…18	32	**LUCD18●●**	*176.30*
15	15	18.5	8…32	32	**LUCD32●●**	*239.90*

(1) Standard control circuit voltages:
Replace suffix ●● with below control circuit voltage code.

Volts	**24**	**48…72**	**110…240**
d.c.	BL (2), (3)	–	–
a.c.	B	–	–
a.c. or d.c.	–	ES (4)	FU (5)

(2) Voltage code to be used for a starter-controller with communication module.
(3) d.c. voltage with maximum ripple of ± 10 %.
(4) d.c.: 48…72 V, a.c.: 48 V.
(5) d.c.: 110…220 V, a.c.: 110...240 V.

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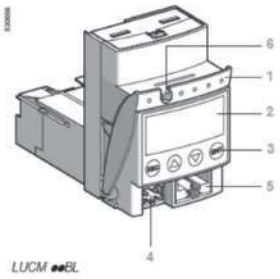
TeSys motor starters - open version

Model U starter-controllers

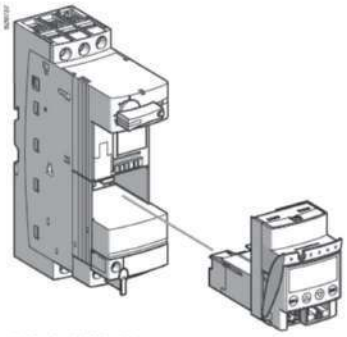
Multifunction control units

unit price (excl. GST in Singapore Dollars)

Model U starter controllers



LUCM ●●BL


LUB ●2 + LUCM ●●BL

XBT NU400

1 Extraction and locking handle

2 Built-in display window (2 lines, 12 characters)

3 4-button keypad

4 d.c. 24 V auxiliary power supply

5 Modbus RS485 communication port. Connection by RJ45 connector.

6 Sealing of locking handle

The display window **2** and keypad **3** allow:

- in configuration mode: local configuration of protection functions and alarms,
- in run mode: display of parameter values and events.

The Modbus communication port **5** is used to connect:

- an operator terminal,
- a PC,
- a Personal Digital Assistant (PDA).

Multifunction control units

Parameter entry, monitoring of parameter values and consultation of logs are carried out.

- either on the front panel, using the built-in display window/keypad,
- or via an operator terminal,
- or via a PC or a PDA with PowerSuite software,
- or remotely, via a Modbus communication bus.

Programming of the product via the keypad requires a d.c. 24 V auxiliary power supply.

Maximum standard power ratings of 3-phase motors 50/60Hz 400/440 V	500V	690V	Setting range	Clip-in mounting on power base Rating	Reference *(1)*	Price (S$)
kW	**kW**	**kW**	**A**	**A**		**(unit)**
0.09	–	–	0.15…0.6	12 and 32	**LUCMX6BL**	*488.90*
0.25	–	–	0.35…1.4	12 and 32	**LUCM1XBL**	*631.40*
1.5	2.2	3	1.25…5	12 and 32	**LUCM05BL**	*520.70*
7.5	9	15	4.5…18	32	**LUCM18BL**	*577.10*
15	15	18.5	8…32	32	**LUCM32BL**	*631.40*

Operator terminal

This compact Magelis terminal enables the parameters of multifunction control unit LUCM to be read and modified.
It is supplied pre-configured to provide dialogue with 8 model U starter-controllers (Modbus protocol, application pages and alarm pages loaded).
Starter-controller alarm and fault management takes priority.

Laugrage	Display window	Supply volatge	Reference	Price (S$)
Multi-language (English, French, German, Italian, Spanish)	4 lines of 20 characters	d.c. 24 V	**XBTNU400**	*510.00*

Connecting cable *(2)*

Function	Length	Type	Reference	Price (S$)
Connects terminal XBT NU400 to a multifunction control unit.	2.5m	SUB-D 25-way female - RJ45	**XBTZ938**	*60.00*

(1) Input voltage d.c. 24 V with maximum ripple of ± 10 %.
(2) If a terminal is used with several control units, this cable can be connected to a Modbus hub or to T-junctions.

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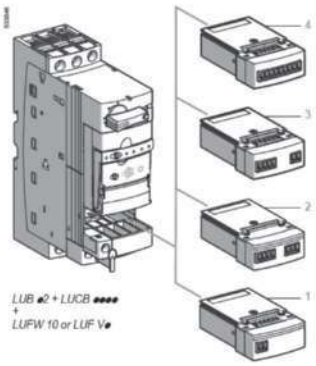
TeSys motor starters - open version

Model U starter-controllers
Function modules, Parallel wiring module and pre-wired coil connection components

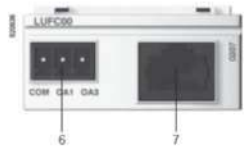
unit price (excl. GST in Singapore Dollars)

Function modules



Output	Item	Application	Reference	Price (S$)
Thermal overload signalling and manual reset				
1 N/O + 1 N/C	**3**	a.c. or d.c. 24…250 V	**LUFDH11**	*199.90*
Thermal overload signalling and automatic or remote reset				
1 N/C	4	a.c. or d.c. 24…250 V	**LUFDA01**	*149.70*
1 NO	**4**	a.c. or d.c. 24…250 V	**LUFDA10**	*157.90*
Thermal overload alarm				
1 NO	**1**	a.c. or d.c. 24…250 V	**LUFW10**	*188.00*
Indication of motor load				
4 - 20 mA	**2**		**LUFV2**	*169.20*

Parallel wiring module and pre-wired coil connection components



Description	Reference	Price (S$)
Parallel wiring module	**LUFC00**	*58.50*

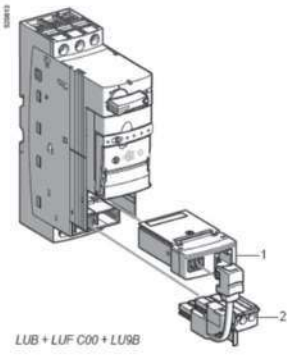
Pre-wired components simplify wiring and reduce wiring errors

Connection of communication module output terminals to the coil terminals

By pre-wired connector or wire link.

■ **Pre-wired connector: pre-wired coil connection**

The use of a power base without pre-wired connections is recommended.



Description	For use with power base	Item	Reference	Price (S$)
Pre-wired coil connection	LU2B●●	8	**LU9MRC**	*51.30*

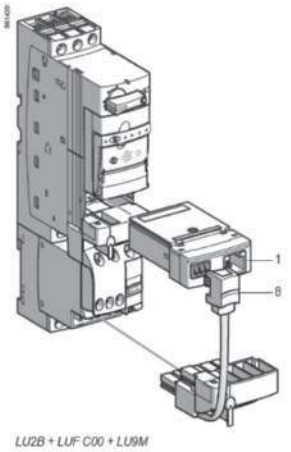
■ **Wire link:**

Allows insertion, for example, of an emergency stop control or a voltage interface. This type of connection must be used for a reversing starter-controller assembled using an LU6M reverser block for separte mounting. When reverser block LU6M and the power base are mounted side-by-side, a pre-wired connector LU9M RC may be used.

Connection of parallel wiring module to the PLC

Splitter block

Connection		Reference	Price (S$) (unit)
PLC side (16I/12O)	Starter-controller side		
2 x HE 10 20-way	8 x RJ45	**LU9G02**	*131.20 (1)*



Connection cables to the splitter box

Connection	Length	Reference	Price (S$)
2 x RJ45 connectors	0.3	**LU9R03**	*14.40*
	1	**LU9R10**	*18.50*
	3	**LU9R30**	*77.90*

Connection cables from splitter box to PLC

Type of connection		Gauge	C.s.a.	Length	Reference	Price (S$) (unit)	
PLC side	Splitter box side						
		AWG	**mm2**	**m**			
HE 10	HE 10	22	0.324	2	**TSXCDP203**	*39.00*	*(2)*
20-way	20-way			3	**TSXCDP303**	*48.00*	*(2)*
				5	**TSXCDP503**	*64.00*	*(2)*
Bare	HE 10	22	0.324	3	**TSXCDP301**	*39.00*	*(2)*
wires	20-way			5	**TSXCDP501**	*55.00*	*(2)*

(1) Allows "run" and "fault" status of each starter-controller to be fed back to the PLC and transmits commands.

(2) See Automation price book or consult our Customer Care Centre.

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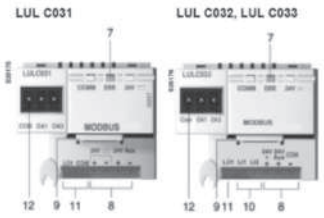
TeSys motor starters - open version

Model U starter-controllers

Modbus communication modules and pre-wired coil connection components

unit price (excl. GST in Singapore Dollars)

Modbus communication modules



Description	Item	Reference	Price (S$)
Communication modules	**1**	**LULC031**	*204.00*
	1	**LULC033**	*275.80*

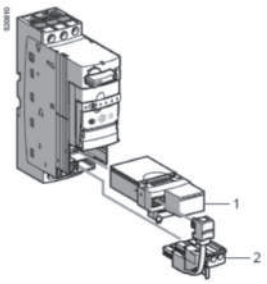
Pre-wired components simplify wiring and reduce wiring errors

Connection of communication module output terminals to the coil terminals

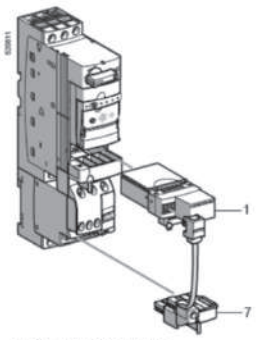
See page G43

Connection of communication modules on the serial bus

Achieved either by means of a Modbus hub or using T-Junctions



LUB + LUL C03● + LU9B



LU2B + LUL C03● + LU9M

Description	Length m	Reference	Price (S$) (unit)
Modbus hub **8 slaves**	**–**	**LU9GC3**	*199.90*
Cables fitted with **2 x RJ45 connectors**	0.3	**VW3A8306R03**	*9.00*
	1	**VW3A8306R10**	*11.00*
	3	**VW3A8306R30**	*19.00*
T-junctions *(1)*	0.3	**VW3A8306TF03**	*51.00*
	1	**VW3A8306TF10**	*57.00*
RS 485 line terminator	**–**	**VW3A8306R**	*10.00*

(1) Fitted with 2 RJ45 female connectors (bus side) and a 0.3 m or 1 m length cable supplied with an RJ45 male connector (station side).

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TeSys motor starters - open version

Model U starter-controllers

Communication gateways LUF P

unit price (excl. GST in Singapore Dollars)

Communication gateways LUF P

Front panel of the product

1 LED indicating :

- communication status of the Modbus serial links,
- gateway status,
- communication status of the Fipio, Profi bus DP or DeviceNet bus.

2 Connectors for connection to Fipio, Profi bus DP or DeviceNet buses.

Underside of product

3 RJ45 connector for connection of the Modbus serial link

4 RJ45 connector for link to a PC

5 d.c. 24 V power supply

Description	For use with	With bus type	Reference	Price (S$) (unit)
Communication gateways	TeSys Model U starter-controllers	Fipio/Modbus	**LUFP1**	*1,535.50*
		Profibus DP/Modbus	**LUFP7**	*1,597.00*
		DeviceNet/Modbus	**LUFP9**	*1,550.00*

TSX FP ACC 12

490 NAD 911 03

Connection accessories

Description	For use with	Length m	Connectors	Reference	Price (S$) (unit)	
Connection cables	Modbus	3	1 RJ45 type connector and one end with stripped wires	**VW3A8306D30**	*15.00*	
		0.3	2 RJ45 type connectors	**VW3A8306R03**	*9.00*	
		1	2 RJ45 type connectors	**VW3A8306R10**	*11.00*	
		3	2 RJ45 type connectors	**VW3A8306R30**	*19.00*	
Connectors	Fipio	–	1 SUB-D 9 male connector	**TSXFPACC12**	*111.00*	*(1)*
	Profibus mid line	–	1 SUB-D 9 male connector	**490NAD91104**	*155.00*	*(1)*
	Profibus line end	–	1 SUB-D 9 male connector	**490NAD91103**	*135.00*	*(1)*

(1) See Automation price book or consult our Customer Care Centre.

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Control relay

Mini-control relays type CA2SK and CA3SK
Control circuit: AC/DC

unit price (excl. GST in Singapore Dollars)

Mini control relays (screw clamp terminals)

CA2-SK20

Control circuit supply	Width of control relay	Fixing	Instantaneous auxiliary contact		Basic reference, to be completed by adding the voltage code	Price(S$)
	(mm)		NO	NC	(1)	(unit)
a.c. supply	27	35mm DIN rail	2	-	**CA2SK20●●**	*40.00*
			1	1	**CA2SK11●●**	*40.00*
d.c. supply	27	35mm DIN rail	2	-	**CA3SK20●●**	*52.30*
			1	1	**CA3SK11●●**	*52.30*

Instantaneous auxiliary contact blocks

Description	For use on control relay	Composition NO	Composition NC	Reference	Price(S$) (unit)
Clip-on front mounting,	CA2SK20	2	-	**LA1SK20**	*13.00*
1 block per contactor		-	2	**LA1SK02**	*13.00*
(with screw clamp terminals)		1	1	**LA1SK11**	*13.00*

Suppressor module

Clip-on fixing and electrical connection on right-hand side, without use of tools

For use on control relay	Type	For voltages	Sold in lots of	Reference	Price(S$) (Lot of 10)
CA2SK and **CA3SK**	Varistor	ac and dc 110V…250V	10	**LA4SKE1U**	*155.00*
	Diode	dc 24V…250V	10	**LA4SKC1U**	*155.00*

(1) Standard control circuit voltages. Please consult your Sales Office for others control circuit voltage.

CA2SK mini control relays (Replace ●● with below others control cirucit voltage)

Volts 50/60Hz	**110**	**120**	**220**	**230**	**240**
Code	F7	G7	M7	P7	U7

CA3SK mini control relays (Replace ●● with below others control cirucit voltage)

Volts DC	**12**	**24**	**48**
Code	JD	BD	ED

(2) Contactor with alternating contacts. Cannot be fitted with front mounted auxiliary contact block and coil suppressor module.

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Life Is On Schneider Electric

Control relay

K control relays and auxiliary contact blocks
Control circuit: AC/DC

unit price (excl. GST in Singapore Dollars)

Control relays (screw clamp type)

CA2-KN40●●

- Mounting on 35mm rail or diameter 4 screw fixing
- Screws in open "ready- to- tighten" position.

Supply	Control circuit consumption	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code	Price(S$)
		NO	**NC**	(1)	**(unit)**
a.c. supply	4.5 VA	4	-	**CA2KN40●●**	*48.20*
		3	1	**CA2KN31●●**	*48.20*
		2	2	**CA2KN22●●**	*48.20*
d.c. supply	3W	4	-	**CA3KN40●●**	*112.80*
		3	1	**CA3KN31●●**	*112.80*
		2	2	**CA3KN22●●**	*112.80*

Low consumption control relays

CA4-KN40●●●

Supply	Control circuit consumption	Instantaneous auxiliary contacts		Basic reference, to be completed by adding the voltage code	Price(S$)
		NO	**NC**	(1)	**(unit)**
d.c. supply	1.8W	4	-	**CA4KN40●●●**	*172.20*
		3	1	**CA4KN31●●●**	*172.20*
		2	2	**CA4KN22●●●**	*172.20*

Instantaneous auxiliary contact blocks

	Composition		Reference	Price(S$)
	NO	**NC**		**(unit)**
Clip-on front mounting,	2	-	**LA1KN20**	*13.40*
1 block per contactor	-	2	**LA1KN02**	*13.40*
(with screw clamp terminals)	1	1	**LA1KN11**	*13.40*
	4	-	**LA1KN40**	*24.60*
	3	1	**LA1KN31**	*24.60*
	2	2	**LA1KN22**	*24.60*
	1	3	**LA1KN13**	*24.60*
	-	4	**LA1KN04**	*24.60*

Electronic time delay contact blocks (on-delay type)

Voltage	Timing range	Composition	Reference	Price(S$)
		C/O		**(unit)**
24…48Vac/dc	1…30s	1	**LA2KT2E**	*110.70*
110…240Vac	1…30s	1	**LA2KT2U**	*110.70*

(1) Standard control circuit voltages (Replace suffix ●● with below control cirucit voltage code)

CA2K control relays (0.8…1.15 Uc) (0.85…1.1Uc)

Volts 50/60 Hz	**24**	**110**	**220/ 230**	**230**	**230/ 240**	**400**	**400/ 415**
Code	B7	F7	**M7**	P7	U7	V7	N7

CA3K control relays (0.8…1.15 Uc)

Volts DC	**24**	**48**
Code	**BD**	ED

CA4K low consumption control relays (wide range coil:0.7…1.3 Uc)

Volts DC	12	24	48
Code	**JW3**	**BW3**	**EW3**

Others voltages, please consult your Sales Office.

G

TeSys control relay

TeSys D control relays and accessories
Control circuit: a.c., d.c. or low consumption

unit price (excl. GST in Singapore Dollars)

TeSys D instantaneous control relays

CAD-50●●

CAD-32●●

CAD-503●●

Number of contacts	Composition		Basic reference, to be completed by adding the voltage code	Price (S$)
	NO	**NC**	(1)	**(unit)**
for connection by screw clamp terminals				
5	5	-	**CAD50●●**	*55.40*
	3	2	**CAD32●●**	*55.40*
for spring terminal connections				
5	5	-	**CAD503●●**	*57.40*
	3	2	**CAD323●●**	*57.40*

Instantaneous auxiliary contact blocks

Number of contacts	Maximum number per device Clip-on mounting		Composition		Reference	Price (S$)
	front	side	**NO**	**NC**		**(unit)**
for connection by screw clamp terminals						
2	1	-	1	1	**LADN11**	*14.40*
	-	1 on LH side	1	1	**LAD8N11**	*19.50*
	1	-	2	-	**LADN20**	*14.40*
	-	1 on LH side	2	-	**LAD8N20**	*19.50*
	1	-	-	2	**LADN02**	*14.40*
	-	1 on LH side	-	2	**LAD8N02**	*19.50*
4 (3)	1	-	2	2	**LADN22**	*22.60*
			1	3	**LADN13**	*22.60*
			4	-	**LADN40**	*22.60*
			-	4	**LADN04**	*22.60*
			3	1	**LADN31**	*22.60*
4 (3)	1	-	2	2	**LADC22**	*29.80*

Including 1 N/O and 1 N/C make before break.

for spring terminal connections

This type of connection is not possible for contact blocks LAD8 and blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add digit **3** to the end of the references selected above. Example: **LADN11** becomes **LADN113.**

(1) Standard control circuit voltages (for other voltages, please consult your Sales Office).

Replace suffix ●● with below control cirucit voltage code.

A.C. supply

Volts ~	**48**	**110**	**220**	**230**	**240**
50/60 Hz	E7	F7	M7	P7	U7

D.C. supply (coils with built-in suppression device fitted as standard)

Volts ⎓	**24**	**110**
U 0.7…1.25 Uc	BD	FD

Low consumption (coils with built-in suppression device fitted as standard)

Volts ⎓	**24**	**48**
Code	BL	EL

(2) Device fitted with 4 earth screen continuity terminals.

(3) Blocks with 4 auxiliary contacts cannot be used on low consumption control relays.

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Life Is On Schneider Electric

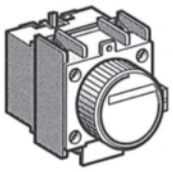
TeSys control relay

TeSys D range control relays

Auxiliary contact block and accessoreis

unit price (excl. GST in Singapore Dollars)

Model D instantaneous control relays



LADT0

Time delay auxiliary contact blocks

LADT0 and LADD0: with extended scale from 0.1 to 0.6 s.

LADS2: with switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact.

Max. no. per device Front mounting	Number of contacts	Time delay Type	Setting range	Reference	Price (S$) (unit)
for connection by screw clamp terminals					
1	1N/O and 1 N/C	On-delay	0.1…3 s	**LADT0**	*58.50*
			0.1…30 s	**LADT2**	*58.50*
			10…180 s	**LADT4**	*58.50*
			1…30 s	**LADS2**	*58.50*
		Off-delay	0.1…3 s	**LADR0**	*69.70*
			0.1…30 s	**LADR2**	*69.70*
			10…180 s	**LADR4**	*83.10*

Mechanical latch blocks *(1)*

Max. number per device	Unlatching control	Control circuit voltage	Basic reference, to be completed by adding the voltage code (2)	Price (S$) (unit)
Front	Manual or electric	220/240Vac	**LAD6K10●**	*83.90*

Coil suppressor modules (for mounting on CAD control relay)

Type	Operational voltage	Reference	Price (S$) (unit)
RC circuits	24…48Vac	**LAD4RCE**	*17.90*
	110…240Vac	**LAD4RCU**	*17.90*

(1) Power should not be simultaneously applied or maintained to the mechanical latching block and the CADN. The duration of the control signal to the mechanical latching block and the CADN should be 100ms.

(2) Standard control circuit voltages. Replace suffix ● with below control circuit voltage.

Volts 50/60 Hz,	**110/127**	**220/240**
Code	F	**M**

G

Power management
PowerLogic® System

PowerLogic®

Branch circuit power meter

Power Logic® - Branch circuit power meter H1
1/3 Volt low-voltage CTs H1
Enercept® Meter H2

Power-monitoring units

Power meter

Digital meter DM6000 H3
Power meter PM1000 H3
Power meter PM5350 H3
Power meters PM5000 H4
Energy meter iEM3000 H4
Power meters PM8000 H5
Ethernet communication and gateway H6
Power meters PM2000 H7

Protection relays

Electrical network protection

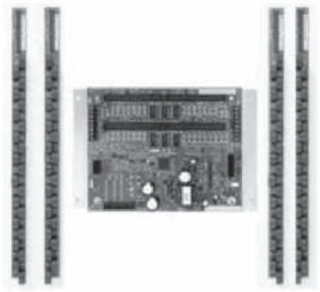
Sepam series 10 H8
Sepam series 20 H9
Sepam series 40 H10
Sepam series 80 H12
Sepam accessories H14
MiCOM P111 Enh H15

H

Power Logic®
Branch circuit power meter

Unit price (excl. GST) in Singapore Dollars

Power Logic BCPM



The branch circuit power meter solution

The ideal solution for data centre managers, engineers and operational executives who are responsible for delivering power to critical applications. In corporate and hosted data centre facilities, this technology helps you plan and optimise the critical power infrastructure to meet the demands of continuous availability.

The PowerLogic BCPM is a highly accurate, full featured metering product designed for the unique, multi-circuit and minimal space requirements of a high performance power distribution unit (PDU) or remote power panel (RPP).

The BCPM monitors up to 84 branch circuits and the incoming power mains, to provide information on a complete PDU. Full alarming capabilities ensure that potential issues are dealt with before they become problems.

Unlike products designed for specific hardware, the flexible BCPM will fit any PDU or RPP design and supports both new and retrofit installations. It has exceptional dynamic range and accuracy, and optional feature sets to meet the energy challenges of mission critical data centers.

Type	CT spacing (mm)	Circuit number	Reference	Price (S$)
BCPMA – Advanced power and energy per circuit	19	42	**BCPMA042S**	*11,506.93*
		84	**BCPMA084S**	*18,533.91*
BCPMB – Intermediate current per circuit, power	19	42	**BCPMB042S**	*9,306.89*
		84	**BCPMB084S**	*14,844.16*
BCPMC – Basic current only per circuit and mains	19	42	**BCPMC042S**	*8,190.09*
		84	**BCPMC084S**	*12,281.11*

1/3 Volt low-voltage CTs

The BCPM uses 1/3 V output split-core CTs for the auxiliary inputs.
These CTs are to be ordered separately.

Amperage	Inside dimensions	Reference	*Price (S$)*
100 A	30 mm x 31 mm	**LVCT00102S**	*194.57*
200 A	30 mm x 31 mm	**LVCT00202S**	*213.11*
300 A	30 mm x 31 mm	**LVCT00302S**	*203.32*
400 A	62 mm x 73 mm	**LVCT00403S**	*257.40*
600 A	62 mm x 73 mm	**LVCT00603S**	*257.40*
800 A	62 mm x 73 mm	**LVCT00803S**	*257.40*
800 A	62 mm x 139 mm	**LVCT00804S**	*302.82*
1000 A	62 mm x 139 mm	**LVCT01004S**	*302.82*
1200 A	62 mm x 139 mm	**LVCT01204S**	*302.82*
1600 A	62 mm x 139 mm	**LVCT01604S**	*356.90*
2000 A	62 mm x 139 mm	**LVCT02004S**	*356.90*
2400 A	62 mm x 139 mm	**LVCT02404S**	*356.90*

Power Logic®
Enercept® Meter

Unit price (excl. GST) in Singapore Dollars

PowerLogic® Enercept® Meter

The Enercept meter, a part of the pioneering POWERLOGIC® power monitoring system, simplifies installation making it much easier to include energy meters throughout an electrical distribution system. An innovative form factor (patent pending) eliminates the need for a separate meter enclosure and reduces installation cost by as much as 70%. The meter is inside the CTs, and no external PTs are required, making this a cost effective option for basic electrical metering.

Applications

- Energy management & performance contracting
- Submetering for commercial tenants
- Activity based costing in commercial and industrial facilities
- Real time power monitoring
- Motor control center monitoring
- Motor maintenance trending
- Power equipment planning
- Data for motor sizing

Type	Range	Dimensions	Reference	Price (S$)
Basic Enercept meters	100 A	100 mm x 121 mm	**3020B012S**	*2,775.64*
	300 A	100 mm x 121 mm	**3020B032S**	*2,860.83*
	400 A	132 mm x 151 mm	**3020B043S**	*2,943.74*
	800 A	132 mm x 151 mm	**3020B083S**	*3,026.76*
	800 A	201 mm x 151 mm	**3020B084S**	*3,110.81*
	1600 A	201 mm x 151 mm	**3020B164S**	*3,193.82*
	2400 A	201 mm x 151 mm	**3020B244S**	*3,275.81*
Enhanced Enercept meters	100 A	100 mm x 121 mm	**3020E012S**	*3,396.90*
	300 A	100 mm x 121 mm	**3020E032S**	*3,498.90*
	400 A	132 mm x 151 mm	**3020E043S**	*3,600.60*
	800 A	132 mm x 151 mm	**3020E083S**	*3,813.68*
	800 A	201 mm x 151 mm	**3020E084S**	*3,803.60*
	1600 A	201 mm x 151 mm	**3020E164S**	*4,022.77*
	2400 A	201 mm x 151 mm	**3020E244S**	*4,008.60*

Power-monitoring units
Digital Meter DM6000
Power Meter PM1000 &PM5350

Unit price (excl. GST) in Singapore Dollars

Digital meter DM6000

DM6000

DM6000 is Ideal for replacing multiple analog meters with a single digital meter to simplify wiring, save panel space and reduce installation labour costs
- Digital panel meters, or VAF meters
- Basic parameters (volts, amps, power factor and frequency)

Type		Reference	Price (S$)
DM6000	basic without communications	**METSEDM6000**	*185.40*
DM6200	basic plus 2 terminal RS-485 port with Modbus RTU protocol	**METSEDM6200**	*216.30*

Power meter PM1000

PM1000

PM 1000 is Ideal for energy and power monitoring of your electric system's essential measurements
Basic parameters, energy parameters, power parameters, demand and total harmonics distortions

Type		Reference	Price (S$)
PM1000	basic without communications	**METSEPM1000**	*265.00*
PM1200	basic plus 2 terminal RS-485 port with Modbus RTU protocol	**METSEPM1200**	*288.00*

Power meter PM5350

PM5350

The PowerLogic PM5350 power meter offers all the measurement capabilities required to monitor an electrical installation in a single 96 x 96 mm unit extending only 44 mm behind the mounting surface.

Type	Reference	Price (S$)
PM5350	**METSEPM5350**	*1,178.90*

Power-monitoring units
Power meter PM5000
Energy meter iEM3000

Unit price (excl. GST) in Singapore Dollars

Power meter PM5000 (Panel mount meter)

The PowerLogic™ PM5000 power meter is the ideal fit for cost management applications. It provides the measurement capabilities needed to allocate energy usage, perform tenant metering and sub-billing, pin-point energy savings, optimize equipment efficiency and utilization, and perform a high level assessment of the power quality of the electrical network. Highly accurate devices with global billing certifications.
In a single 96 x 96 mm unit, with a graphical display, all three phases, neutral and ground can be monitored simultaneously.

PM5000 Series

Meter unit

	Reference	*Price (S$)*
Class 0.5s, with THD, alarming, no communication	**METSEPM5100**	750.00
Class 0.5s, with THD, alarming, Modbus (RS485)	**METSEPM5110**	935.00
Class 0.5s, with THD, alarming, Modbus (RS485), I/O, 256 kB logging	**METSEPM5330**	1,335.00
Class 0.5s, with THD, alarming, Ethernet, I/O, 256 kB logging	**METSEPM5340**	1,630.00
Class 0.2s, with THD, alarming, RS485 & Ethernet, I/O,1.1MB logging 4th CT input, Time-of-Use (TOU), Gateway Function	**METSEPM5560**	*2,910.00*

Meter unit with MID Compliance

	Reference	*Price (S$)*
Class 0.5s, with THD, alarming, Modbus (RS485)	**METSEPM5111**	1,050.00
Class 0.5s, with THD, alarming, Modbus (RS485), I/O, 256 kB logging	**METSEPM5331**	1,445.00
Class 0.5s, with THD, alarming, Ethernet, I/O, 256 kB logging	**METSEPM5341**	1,740.00
Class 0.2s, with THD, alarming, RS485 & Ethernet, I/O,1.1MB logging 4th CT input, Time-of-Use (TOU), Gateway Function	**METSEPM5561**	*3,030.00*

Energy meter iEM3000 (DIN-rail mount meter)

The offer ranges from very basic kWh meters for the most basic applications to MID-compliant meters for billing applications to advanced energy meters able to measure a variety of electrical parameters.
It's the right energy meter at the right price for the right job.

iEM3000 Series

iEM3000 Basic Meter

		Reference	*Price (S$)*
iEM3100	Basic energy meter (direct measurement up to 63A)	**A9MEM3100**	*400.00*
iEM3200	Basic energy meter (measurement through CTs)	**A9MEM3200**	*400.00*
iEM3300	Basic energy meter (direct measurement up to 125A)	**A9MEM3300**	*585.00*

iEM3000 with MID Compliance

		Reference	*Price (S$)*
iEM3155	Advanced multi-tarrif energy meter & electrical parameter with Modbus RS-485 comm port (direct measurement inputs up to 63A), MID certified	**A9MEM3155**	*750.00*
iEM3255	Advanced multi-tarrif energy meter & electrical parameter with Modbus RS-485 comm port (measurement input through CTs), MID certified	**A9MEM3255**	*750.00*
iEM3355	Advanced multi-tarrif energy meter & electrical parameter with Modbus RS-485 comm port (measurement input through CTs), MID certified	**A9MEM3355**	*950.00*

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Life Is On Schneider Electric

Power-monitoring units
PowerLogic™ PM8000

Unit price (excl. GST) in Singapore Dollars

Power Meter PM8000

PM8000 Series

The PowerLogic™ PM8000 series is highly accurate, extremely reliable and unmatched in flexibility and usability. Compliant with stringent international standards that guarantee accuracy, these meters are ideal for industrial and critical power facilities

Address power issues before they cause problems
- Monitor harmonics to mitigate excessive heating and premature failure of transformers
- Use trending and alarming to deflect fluctuations in current pull of critical equipment to prevent motor failure
- Utilise millisecond time stamping to analyse sequence of events
- Identify root cause by analysing electrical faults with patented disturbance direction detection
- Identify power quality issues per EN 50160, including frequency inconsistency, voltage fluctuations and unbalance, and harmonic contributions
- Allocate costs of water, air, gas, electricity, and steam (WAGES) across departments, phases of industrial process, or cost centers
- Utilise time-of-use calendar to capture electrical consumption for specific times including on/off peak and holidays

PM8000 Series Meter With Remote Display

PM8000 Key Features	
General	
Current accuracy	**0.1 % reading**
Voltage accuracy (5ANominal)	**0.1% reading**
Active energy accuracy	**0.2%**
Number of samples per cycle	256
4 CT input	■
Power Quality Measurements	
Individual harmonics via front panel	63
via Struxureware software	127
Waveform capture	■
Voltage sags and swell detection	■
Fast acquistion	1/2 cycle
EN50160 compliance checking	■
Customizable data outputs (logic & math)	■
Data Recording	
Min/Max, instantaneous, event data logging	■
Sequence of Event Recording (SER)	■
Memory (in Mbytes)	512 Mb
Communication	
RS 485 Port	1
Ethernet Ports	2
Protocols (Modbus, ION, DNP3, IEC61850)	■

Remote Display

I/O Module

PM8000 Basic Meter Unit

		Reference	*Price (S$)*
PM8240	Integrated display panel mount meter	**METSEPM8240**	*5,445.00*
PM8243	DIN rail mount meter	**METSEPM8243**	*4,862.00*
PM8244	DIN rail mount meter with remote display	**METSEPM8244**	*6,078.00*

Option modules and accessories

	Reference	*Price (S$)*
Remote display, 3 meter cable, mounting hardware for 30mm hole (nut & centering pin), mounting hardware for DIN96 cutout adapter plate	**METSEPM89RD96**	*1,683.00*
Digital I/O module (6 digital inputs & 2 relay outputs)	**METSEPM89M2600**	*1,029.00*
Analogue I/O module (4 analogue inputs & 2 analogue outputs)	**METSEPM89M0024**	*1,967.76*

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Unit price (excl. GST) in Singapore Dollars

Ethernet Communication

For more complex communication network architecture, various modbus (and PowerLogic protocol) to Ethernet gateway is available.

Ethernet Card for installation on to CM3000 & CM4000

	Reference	*Price (S$)*
Ethernet Communication card 100Mbps fibre optic, 10/100Mbps UTP Ethernet, 1 RS485 ports	**ECC21**	*3,436.55*

PowerLogic EGX100

Ethernet Gateway for standalone installation

	Reference	*Price (S$)*
The EGX100 serves as an Ethernet gateway for PowerLogic system devices and for any other communicating devices utilizing the Modbus protocol. The EGX100 gateway offers complete access to status and measurement information provided by the connected devices via PowerLogic software installed on a PC. Serial port: RS232 or RS485 (2-wire or 4-wire), depending on settings Ethernet port: 10/100 MB	**EGX100MG**	*1,545.39*

Com'X 510 Energy Server

	Reference	*Price (S$)*
The Com'X provides the end-user with immediate visibility into energy consumption throughout the site. It collects and stores energy data from up to 64 field devices like PowerLogic meters, Acti9 devices, Masterpact, Powerpact or Compact circuit-breakers, WAGES meters delivering pulses, and environmental sensors such as temperature humidity, and CO2 levels providing analogue information Functions • Data collector via Ethernet, Modbus devices, embedded inputs (DI/AI) • Data publisher (can transmit data periodically to internet server) • Gateway (data is converted in Modbus TCP/IP format)	**EBX510**	*1,715.00*

Energy Server Com'X 510 data logger

Option accessories for Com'X 510

	Reference	*Price (S$)*
Connects Com'X to WiFi for regular data transmission Can be used to configure Com'X510 through one-to-one connection with laptop or tablet	**EBXA-USB-WiFi**	*180.00*

WiFi USB Stick

H

Power-monitoring units
Power Meter PM2000

Unit price (excl. GST) in Singapore Dollars

Power Meter PM2000

Introducing EasyLogic PM2000 series, next generation power meter which offers all the measurement capabilities to monitor an electrical installation in a single 96mm x 96mm unit. The bright anti-glare display features large characters and powerful backlighting for easy reading even in extreme lighting conditions and viewing angles. Intuitive menus, multi-language text, icons and graphics create a friendly environment to learn about your electrical network.

PM2000 LCD display

Applications

- Electrical installation remote monitoring
- Energy accounting and balancing
- Tenant and sub-billing
- Panel instrumentation
- Energy management

PM2230 with I/O

PM2000 Key Features		
General	**PM2220**	**PM2230**
Current accuracy	± 0.5%	± 0.5%
Voltage accuracy	± 0.5%	± 0.5%
Active energy accuracy (Wh)	Class 1	Class 0.5s
Number of samples per cycle	64	64
Parameters measured		
Amps per phase, average, and neutral	■	
Voltage VLN, VLL, per phase, and average	■	
True and Displacement PF	■	
Energy: Wh, Vah, VARh (4 Quadrant)	■	
THD: Voltage L-N or L-L, Amps per phase	■	
Individual harmonics	up to 15th	up to 31st
Data Recording		
Min/ max with real time clock	■	
Data logging up to 2 parameters for 60 days at 15min interval	–	■
Communication		
RS 485 Port	1	
Modbus Protocol	■	

PM2000 Basic Meter Unit

		Reference	*Price (S$)*
PM2220	Class 1 Energy Accuracy	**METSEPM2220**	*375.00*
PM2230	Class 0.5s Energy Accuracy	**METSEPM2230**	*650.00*

Option modules for PM2230 only*

	Reference	*Price (S$)*
Digital I/O module	**METSEPM2KDGTLIO22**	*230.00*
Analogue I/O module	**METSEPM2KANLGIO22**	*390.00*

***Any one module can be used at a time with PM2230 meter. The control power range with IO module shall be 90 to 300VAC L-N or DC.**

H

Electrical network protection
Sepam 10

Unit price (excl. GST) in Singapore Dollars

Sepam 10

Sepam series 10.

Sepam series 10 is a high-quality protection relay that represents the most cost effective solution available for essential protection functions. Highly ergonomic, it is easy to install and set up. Sepam series 10 monitors phase and/or earth-fault currents. Three models meet a wide range of different needs :

N type : Sepam series 10 N protects against earth faults

B type : Sepam series 10 B protects against overloads, phase-to-phase faults and earth faults

A type : Sepam series 10 A provides the same functions as model B, but with a communication port, more inputs and outputs, and additional protection and monitoring functions.

A Sepam series 10 catalogue number comprises different elements:

Sepam series 10 X X X X

Range Sepam series 10

Model

Earth-fault protection	**N**
Phase-overcurrent and earth-fault protection	**B**
Phase-overcurrent and earth-fault protection, logic inputs and communication port	**A**

Number of current inputs

1 earth-fault input	**1**
2-phase-current inputs + 1 earth-fault input	**3**
3-phase-current inputs + 1 earth-fault input	**4**

Sensitivity of earth-fault protection

Standard 0.1 - 24 InO (DT), 0.1 - 2.4 InO (IDMT) (1)	**1**
Sensitive 0.01 - 24 InO (DT), 0.01 - 0.24 InO (IDMT) (1)	**2**
High sensitivity (0.2 - 24A and 2 - 240A) (2)	**3**

Supply voltage

24…125 VDC and 100…120 VAC	**A**
110…250 VDC and 100…240 VAC	**E**
220…250 VDC and high-threshold logic inputs	**F**

(1) Uses 1 A/ 5 A sensors

(2) Uses CSH CTs

Sepam 10	Reference	*Price (S$)*
Sepam series 10 N 11 A	**REL59817**	*1,483.00*
Sepam series 10 N 11 E	**REL59819**	*1,483.00*
Sepam series 10 N 13 A	**REL59818**	*1,483.00*
Sepam series 10 N 13 E	**REL59820**	*1,483.00*
Sepam series 10 B 41 A	**REL59802**	*1,853.00*
Sepam series 10 B 41 E	**REL59805**	*1,853.00*
Sepam series 10 B 42 A	**REL59803**	*1,853.00*
Sepam series 10 B 42 E	**REL59806**	*1,853.00*
Sepam series 10 B 43 A	**REL59804**	*1,853.00*
Sepam series 10 B 43 E	**REL59807**	*1,853.00*
Sepam series 10 A 41 A	**REL59808**	*3,088.00*
Sepam series 10 A 41 E	**REL59811**	*3,088.00*
Sepam series 10 A 41 F	**REL59814**	*3,088.00*
Sepam series 10 A 42 A	**REL59809**	*3,088.00*
Sepam series 10 A 42 E	**REL59812**	*3,088.00*
Sepam series 10 A 42 F	**REL59815**	*3,088.00*
Sepam series 10 A 43 A	**REL59810**	*3,088.00*
Sepam series 10 A 43 E	**REL59813**	*3,088.00*
Sepam series 10 A 43 F	**REL59816**	*3,088.00*

Electrical network protection
Sepam 20

Unit price (excl. GST) in Singapore Dollars

Sepam 20

Sepam 20 series base unit
(with or without advance UMI)

Suitable for common applications, Sepam series 20 offers simple solutions based on current or voltage sensing.
- Protection of substation incomers and feeders against phase-to-phase and phase-to-earth short-circuits
- Protection of overhead lines with built-in recloser function
- Protection of transformers against overloads, with ambient temperature-compensated RMS thermal overload
- Protection of motors
- Protection of busbars suitable for the following situations:
  - n monitoring of network voltage and frequency
  - n loss of mains detection by rate of change of frequency

A Sepam series 20 catalogue number comprises different elements:

SP- XXXXX- XXX- X- X

Sepam

Base unit

Basic UMI	**59603**
Advance UMI	**59607**

Application

Bubar	**B21**
Bubar	**B22**
Motor	**M20**
Substation	**S20**
Transformer	**T20**

Power supply connector

Screw type (CCA620)	**8**
Ring lug type (CCA622)	**9**

Sensor connector

CT 1/5A current connector (CCA630)	**0**
VT voltage connector (CCT640)	**2**
CT+I0 1/5A current connector (CCA634)	**9**

Application	Current/Voltage connector	Reference	*Price (S$)*
Basic User Machine Interface with screw connector			
B21	VT	**SP-59603-B21-8-2**	*3,500.00*
M20	CT	**SP-59603-M20-8-0**	*2,650.00*
	CT+IO	**SP-59603-M20-8-9**	*2,650.00*
S20	CT	**SP-59603-S20-8-0**	*2,235.00*
	CT+IO	**SP-59603-S20-8-9**	*2,235.00*
T20	CT	**SP-59603-T20-8-0**	*2,650.00*
	CT+IO	**SP-59603-T20-8-9**	*2,650.00*
Advanced User Machine Interface with screw connector			
B21	VT	**SP-59607-B21-8-2**	*4,823.00*
B22	VT	**SP-59607-B22-8-2**	*5,310.00*
M20	CT	**SP-59607-M20-8-0**	*4,918.00*
	CT+IO	**SP-59607-M20-8-9**	*4,918.00*
S20	CT	**SP-59607-S20-8-0**	*3,140.00*
	CT+IO	**SP-59607-S20-8-9**	*3,140.00*
T20	CT	**SP-59607-T20-8-0**	*3,520.00*
	CT+IO	**SP-59607-T20-8-9**	*3,520.00*

Consult us for quotation for others model.

H

Electrical network protection
Sepam 40

Unit price (excl. GST) in Singapore Dollars

Sepam 40

Sepam 40 series base unit (without Advance UMI)

Sepam series 40, with its current and voltage sensing capabilities, offers high-performing solutions for more demanding applications.

Sepam series 40 units perform the following functions in addition to those performed by Sepam series 20:

- Protection of closed ring networks or networks with parallel incomers, by directional protection.
- Directional earth fault protection suitable for all earthing systems: impedance, isolated or compensated neutral.
- Protection of networks with variable configurations requiring the switching of groups of settings and logic discrimination.
- All the necessary electrical measurements: phase and residual currents, phase-to-neutral, phase-to-phase and residual voltage, frequency, power and energy,…
- Comprehensive network diagnosis assistance: 20 seconds of disturbance recording, detailed history of the last 200 alarms, storage of the last 5 tripping contexts.
- Adaptation of control functions by a logical equation editor.
- customization of alarm messages to fit each application, and/or in the user's language.

A Sepam series 40 catalogue number comprises different elements:

SP- XXXXX- XXX- X- X- X

Sepam

Base unit

Basic UMI	**59600**
Advance UMI	**59604**

Application

Generator	**G40**
Motor	**M41**
Substation	**S40**
	S41
	S42
Transformer	**T40**
	T42

Power Supply Connector

Screw type (CCA620)	**8**
Ring lug type (CCA622)	**9**

Sensor connector

1/5A CT current connector (CCA630)	**0**
1/5A CT+I0 current connector (CCA634)	**9**

Voltage Connector

Screw type (CCA626)	**6**
Ring lug type (CCA627)	**7**

Basic User Machine Interface with screw connectors

Application	Current connector	Reference	*Price (S$)*
G40	CT	**SP-59600-G40-8-0-6**	*4,250.00*
	CT+IO	**SP-59600-G40-8-9-6**	*4,250.00*
M41	CT	**SP-59600-M41-8-0-6**	*3,820.00*
	CT+IO	**SP-59600-M41-8-9-6**	*3,820.00*
S40	CT	**SP-59600-S40-8-0-6**	*3,024.00*
	CT+IO	**SP-59600-S40-8-9-6**	*3,024.00*
S41	CT	**SP-59600-S41-8-0-6**	*4,546.00*
	CT+IO	**SP-59600-S41-8-9-6**	*4,546.00*
S42	CT	**SP-59600-S42-8-0-6**	*6,876.00*
	CT+IO	**SP-59600-S42-8-9-6**	*6,876.00*
T40	CT	**SP-59600-T40-8-0-6**	*3,546.00*
	CT+IO	**SP-59600-T40-8-9-6**	*3,546.00*
T42	CT	**SP-59600-T42-8-0-6**	*6,876.00*
	CT+IO	**SP-59600-T42-8-9-6**	*6,876.00*

Electrical network protection
Sepam 40 (cont…)

Unit price (excl. GST) in Singapore Dollars

Sepam 40

Sepam base unit (series 20 or series 40) with integrated advanced UMI.

Advanced User Machine Interface with screw connectors

Application	Current connector	Reference	*Price (S$)*
G40	CT	**SP-59604-G40-8-0-6**	*7,210.00*
	CT+IO	**SP-59604-G40-8-9-6**	*7,210.00*
M41	CT	**SP-59604-M41-8-0-6**	*7,210.00*
	CT+IO	**SP-59604-M41-8-9-6**	*7,210.00*
S40	CT	**SP-59604-S40-8-0-6**	*4,250.00*
	CT+IO	**SP-59604-S40-8-9-6**	*4,250.00*
S41	CT	**SP-59604-S41-8-0-6**	*6,520.00*
	CT+IO	**SP-59604-S41-8-9-6**	*6,520.00*
S42	CT	**SP-59604-S42-8-0-6**	*8,820.00*
	CT+IO	**SP-59604-S42-8-9-6**	*8,820.00*
T40	CT	**SP-59604-T40-8-0-6**	*5,230.00*
	CT+IO	**SP-59604-T40-8-9-6**	*5,230.00*
T42	CT	**SP-59604-T42-8-0-6**	*8,820.00*
	CT+IO	**SP-59604-T42-8-9-6**	*8,820.00*

Consult us for quotation for others model.

Electrical network protection
Sepam 80

Unit price (excl. GST) in Singapore Dollars

Sepam series 80

Sepam series 80 offers intelligent solutions for complete applications. Specially designed for demanding customers on large industrial sites.

Sepam series 80 provides proven solutions for electrical distribution and machine protection:

- protection of closed ring networks or networks with parallel incomers by directional protection and logic discrimination.
- directional earth fault protection for impedance-earthed and isolated or compensated neutral systems.
- complete protection of transformers and machine-transformer units
  - w stable, sensitive differential protection with neural network restraint
  - w linked to all necessary backup protection functions
- complete protection of motors and generators against internal faults:
  - w stable, sensitive machine differential protection, with starting and sensor loss restraint
  - w field loss, stator earth fault, etc.
  - against network and process faults: pole slip, speed control, inadvertent energization, etc.
- measurement of harmonic distortion, current and voltage, to assess network power quality
- 42 inputs / 23 outputs for comprehensive equipment control
- logic equation editor for specific control functions
- 2 Modbus communication ports to integrate Sepam in 2 different networks or redundant architectures
- removable memory cartridge to get equipment in operation again quickly after any replacement
- battery backup to save historical and disturbance recording data.

A Sepam series 80 catalogue number comprises different elements:

SP-	XXXXX -	XXX -	X -	X
Sepam				

Base unit

Without UMI	**59703**
With UMI	**59704**

Application

Generator	**G82**
	G87
	G88
Motor	**M81**
	M87
	M88
Substation	**S80**
	S81
	S82
Transformer	**T81**
	T82
	T87

Power Supply Connector

Screw type (CCA620)	**8**
Ring lug type (CCA622)	**9**

Current Sensor Connector

1/5A CT current connector (CCA630)	**0**
1/5A CT+I0 current connector (CCA634)	**9**

Sepam 80 series base unit (with or without UMI)

Basic User Machine Interface with screw connector

Application	Current connector	Reference	*Price (S$)*
G82	CT	**SP-59703-G82-8-0**	*11,200.00*
	CT+IO	**SP-59703-G82-8-9**	*11,200.00*
G87	CT	**SP-59703-G87-8-0**	*13,800.00*
	CT+IO	**SP-59703-G87-8-9**	*13,800.00*
G88	CT	**SP-59703-G88-8-0**	*17,500.00*
	CT+IO	**SP-59703-G88-8-9**	*17,500.00*
M81	CT	**SP-59703-M81-8-0**	*7,320.00*
	CT+IO	**SP-59703-M81-8-9**	*7,320.00*

H

Life Is On Schneider Electric

Electrical network protection
Sepam 80 (cont…)

Unit price (excl. GST) in Singapore Dollars

Sepam series 80

Sepam 80 series base unit
(with or without UMI)

Sepam series 80 base unit with integrated advanced UMI.

Basic User Machine Interface with screw connector (cont…)

Application	Current connector	Reference	*Price (S$)*
M87	CT	**SP-59703-M87-8-0**	*13,800.00*
	CT+IO	**SP-59703-M87-8-9**	*13,800.00*
M88	CT	**SP-59703-M88-8-0**	*17,500.00*
	CT+IO	**SP-59703-M88-8-9**	*17,500.00*
S80	CT	**SP-59703-S80-8-0**	*7,230.00*
	CT+IO	**SP-59703-S80-8-9**	*7,230.00*
S81	CT	**SP-59703-S81-8-0**	*7,810.00*
	CT+IO	**SP-59703-S81-8-9**	*7,810.00*
S82	CT	**SP-59703-S82-8-0**	*9,750.00*
	CT+IO	**SP-59703-S82-8-9**	*9,750.00*
T81	CT	**SP-59703-T81-8-0**	*9,750.00*
	CT+IO	**SP-59703-T81-8-9**	*9,750.00*
T82	CT	**SP-59703-T82-8-0**	*10,800.00*
	CT+IO	**SP-59703-T82-8-9**	*10,800.00*
T87	CT	**SP-59703-T87-8-0**	*13,800.00*
	CT+IO	**SP-59703-T87-8-9**	*13,800.00*

Advanced User Machine Interface with screw connectors

G82	CT	**SP-59704-G82-8-0**	*12,350.00*
	CT+IO	**SP-59704-G82-8-9**	*12,350.00*
G87	CT	**SP-59704-G87-8-0**	*15,470.00*
	CT+IO	**SP-59704-G87-8-9**	*15,470.00*
G88	CT	**SP-59704-G88-8-0**	*19,200.00*
	CT+IO	**SP-59704-G88-8-9**	*19,200.00*
M81	CT	**SP-59704-M81-8-0**	*9,120.00*
	CT+IO	**SP-59704-M81-8-9**	*9,120.00*
M87	CT	**SP-59704-M87-8-0**	*15,470.00*
	CT+IO	**SP-59704-M87-8-9**	*15,470.00*
M88	CT	**SP-59704-M88-8-0**	*18,540.00*
	CT+IO	**SP-59704-M88-8-9**	*18,540.00*
S80	CT	**SP-59704-S80-8-0**	*8,520.00*
	CT+IO	**SP-59704-S80-8-9**	*8,520.00*
S81	CT	**SP-59704-S81-8-0**	*9,120.00*
	CT+IO	**SP-59704-S81-8-9**	*9,120.00*
S82	CT	**SP-59704-S82-8-0**	*11,300.00*
	CT+IO	**SP-59704-S82-8-9**	*11,300.00*
T81	CT	**SP-59704-T81-8-0**	*11,300.00*
	CT+IO	**SP-59704-T81-8-9**	*11,300.00*
T82	CT	**SP-59704-T82-8-0**	*12,350.00*
	CT+IO	**SP-59704-T82-8-9**	*12,350.00*
T87	CT	**SP-59704-T87-8-0**	*15,470.00*
	CT+IO	**SP-59704-T87-8-9**	*15,470.00*

Consult us for quotation for others model.

Electrical network protection
Sepam
accessories

Unit price (excl. GST) in Singapore Dollars

Accessories

Description	Reference	*Price (S$)*
DSM303 Remote Advanced UMI	**59608**	*1,074.00*
CSH30 Secondary circuit torroid CT, 30mmID	**59634**	*212.00*
CSH120 Primary circuit torroid CT, 120mmID	**59635**	*556.00*
CSH200 Primary circuit torroid CT, 200mmID	**59636**	*880.00*
MET148-2 Temperature sensor module (8 channels)	**59641**	*1,458.00*
ACE949-2 Modbus communication module 2 wire	**59642**	*360.00*
ACE959 Modbus communication module 4 wire	**59643**	*350.00*
ACE937 Modbus fibre optic module	**59644**	*450.00*
ACE969TP-2 RS485 Multiprotocol Interface	**59723**	*650.00*
ACE969FO-2 Fibre Optic Multiprotocol Interface	**59724**	*846.00*
MES114 I/O module, 10I / 4O, 24-250Vdc **(for Series 20 & 40 only)**	**59646**	*988.00*
MSA141 Analoque output module (1 channel)	**59647**	*756.00*
MES114E I/O module, 10I / 4O, 110-125Vdc,110Vac **(for Series 20 & 40 only)**	**59651**	*988.00*
MES114F I/O module, 10I / 4O, 220-250Vdc, **220-240Vac (for Series 20 & 40 only)**	**59652**	*988.00*
MCS025 Synchro check module	**59712**	*2,461.00*
MES120 I/O module, 14I / 6O, 24-250Vdc **(for Series 80 only)**	**59715**	*1,320.00*
CCA770 Remote module cord L=0.6m	**59660**	*25.00*
CCA772 Remote module cord L=2m	**59661**	*35.00*
CCA774 Remote module cord L=4m	**59662**	*60.00*
CCA612 Cable between Sepam and **Communication module**	**59663**	*61.00*
CCA783 connection cord to PC for SFT2841	**59664**	*35.00*
CCA785 Connection cord for synch module	**59665**	*40.00*
AMT840 Mounting plate	**59670**	*256.00*
SFT2841 Expert UMI software	**59679**	*59.00*

Electrical network protection
MiCOM P111 Enh

Unit price (excl. GST) in Singapore Dollars

MiCOM P111 Enh

MiCOM P111 Enh

MiCOM P111 Enh is an enhanced version of our renowned MiCOM P111 relay. It represents a perfect ratio of price vs. functionality over-current and earth-fault protection relay for essential protection functions. Providing features for easy adaptation to different application and operation conditions, the P111Enh can be applied to medium and low voltage electrical systems as an optimized solution tailored to user's needs.

Model L: protects against overcurrent and earth faults

Model N: protects against overcurrent and earth faults. In addition, it has RMS thermal overload protection. Settings can also be made via S1 software and loaded into the relay via USB port.

Model A: In addition to the features of Model N, it has Switch on to fault protection, Blocked Overcurrent Logic, 4 timers (AUX) and Time Synchronisation via Binary Input

Features:

- Freely configurable binary inputs / outputs: 0 / 4 (Model L), 0 / 6 (Model N), 4 / 8 (Model A)
- Auxilary voltage supply: Choice of 24-240Vac / 24-250Vdc (Model L, N), 24-60Vac/dc or 90-240Vac / 90-250Vdc (Model A)
- Sensitivity of phase overcurrent protection: 0.1 - 40 In
- Sensitivity of earth-fault protection: Choice of 0.01 - 2 Ien or 0.05-12 Ien
- Norminal phase current & earth fault norminal current: Ion = 1A / 5A
- Communications: RS485 with settable protocol (Model N & A)
- 8 Signalling LEDs (“Healthy” + “Trip” + “Alarm” + 5 freely configurable LEDs)
- Self-monitoring feature with watchdog contact WD
- Fault records for the 20 most recent trips
- Settings made easy via S1 software and loaded to relay via USB port (Model N & A)

A MiCOM P111 Enh catalogue number comprises different elements:

P111 X XXX XXXX XXXXXX

Range MiCOM P111 Enh Series

Model

0 Digital Input, 4 Digital Outputs	**L**
0 Digital Input, 6 Digital Outputs, USB port and RS485	**N**
4 Digital Inputs, 8 Digital Outputs, USB port and RS485	**A**

Earth Current Input

0.01-2Ien	**1N0**
0.05-12Ien	**1N3**

Auxilary Voltage

24-240Vac/90-250Vdc (Model L & N only)	**N92N**
24-60Vac/Vdc (Model A only)	**N91N**
90-240Vac/90-250Vdc (Model A only)	**N92N**

Communication / Protocol Options

Without RS485 (Model L Only)	**0NN11N**
RS485 with settable protocol: Modbus / IEC 103 (Model N & A)	**1NN11N**

MiCOM P111 Enh	Reference	*Price (S$)*
Model L: e/f: 0.01-2Ien; 24-240Vac/24-250Vdc; without RS485 & USB (P111L1N0N92N0NN11N)	**REL10000**	*974.36*
Model L: e/f: 0.05-12Ien; 24-240Vac/24-250Vdc; without RS485 & USB (P111L1N3N92N0NN11N)	**REL10001**	*974.36*
Model N: e/f: 0.01-2Ien; 24-240Vac/24-250Vdc; with RS485 & USB (P111N1N0N92N1NN11N)	**REL10020**	*1,280.02*
Model N: e/f: 0.05-12Ien; 24-240Vac/24-250Vdc; with RS485 & USB (P111N1N3N92N1NN11N)	**REL10021**	*1,280.02*
Model A: e/f: 0.01-2Ien; 24-60Vac/Vdc; with RS485 & USB (P111A1N0N91N1NN11N)	**REL10010**	*1,384.62*
Model A: e/f: 0.01-2Ien; 90-240Vac/90-250Vdc; with RS485 & USB (P111A1N0N92N1NN11N)	**REL10011**	*1,384.62*
Model A: e/f: 0.05-12Ien; 24-60Vac/Vdc; with RS485 & USB (P111A1N3N91N1NN11N)	**REL10012**	*1,384.62*
Model A: e/f: 0.05-12Ien; 90-240Vac/90-250Vdc; with RS485 & USB (P111A1N3N92N1NN11N)	**REL10013**	*1,384.62*
Secure front access cover	**REL10031**	*107.91*

Low Voltage Capacitors and Power Factor controllers

VarplusCan
SDuty and HDuty I1

VarplusCan SDuty and HDuty
Capacitor, Detuned Reactor and Contactor I2

EasyCan and VarplusCan

Unit price (excl. GST) in Singapore Dollars

IEC/EN 60831-1/-2

Characteristics		
Voltage range	EasyCan	230 to 525 V
	VarplusCan	230 to 830 V
Frequency		50 Hz

EasyCan

Rated Voltage (Rated Output) 50 Hz				
400 V	440 V			*Unit*
(kVAr)	(kVAr)	Reference	No. of unit	*Price(S$)*
2.5	3.0	**BLRCS030A036B44**	1	*50.00*
8.3	10.0	**BLRCS100A120B44**	1	*94.90*
12.4	15.0	**BLRCS150A180B44**	1	*137.70*
15.0	18.2	**BLRCS182A218B44**	1	*174.50*
20.7	25.0	**BLRCS250A300B44**	1	*197.90*
25.0	30.3	**BLRCS303A364B44**	1	*224.40*

VarplusCan

Rated Voltage (Rated Output) 50 Hz				
400 V	440 V			*Unit*
(kVAr)	(kVAr)	Reference	No. of unit	*Price(S$)*
12.4	15.0	**BLRCH150A180B44**	1	*168.30*
15.0	18.2	**BLRCH182A218B44**	1	*249.90*
20.7	25.0	**BLRCH250A300B44**	1	*286.60*
25.0	30.3	**BLRCH303A000B44**	1	*330.50*

EasyCan + VarplusCan + Detuned Reactor + Contactor

Unit price (excl. GST) in Singapore Dollars

Characteristics

Capacitor Rated Voltage Un(V)	Network Service Voltage U_s(V)
	50 Hz
	400

The tuning frequency can be expressed by the relative impedance of the reactor (in %), or by the tuning order, or directly in Hz.

Relative impedance (%)	Tuning order @ 50 Hz (Hz)	Tuning frequency
7	3.8	190
14	2.7	135

The most common values of relative impedance are 5.7, 7 and 14%. (14% is used with high level of 3rd harmonic voltages).

EasyCan (7%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	*Unit Price(S$)*	Detuned Reactor Reference	*Price(S$)*	Contactor Reference	*Price(S$)*
12.5	17	**BLRCS170A204B48**	1	*169.30*	**LVR07125A40T**	*831.30*	**LC1DFK11M7**	*110.70*
23.5	33.9	**BLRCS339A407B48**	1	*358.00*	**LVR07250A40T**	*1,087.40*	**LC1DMK11M7**	*179.90*
50	67.9	**BLRCS339A407B48**	2	*358.00*	**LVR07500A40T**	*1,212.80*	**LC1DWK12M7**	*464.30*
100	136	**BLRCS339A407B48**	4	*358.00*	**LVR07X00A40T**	*1,769.70*		

VarplusCan (7%) (Non-linear load ≤ 50%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	*Unit Price(S$)*	Detuned Reactor Reference	*Price(S$)*	Contactor Reference	*Price(S$)*
12.5	17	**BLRCH170A204B48**	1	*187.70*	**LVR07125A40T**	*831.30*	**LC1DFK11M7**	*110.70*
25	33.9	**BLRCH339A407B48**	1	*390.70*	**LVR07250A40T**	*1,087.40*	**LC1DMK11M7**	*179.90*
50	67.9	**BLRCH339A407B48**	2	*390.70*	**LVR07500A40T**	*1,212.80*	**LC1DWK12M7**	*464.30*
100	136	**BLRCH339A407B48**	4	*390.70*	**LVR07X00A40T**	*1,769.70*		

EasyCan (14%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	*Unit Price(S$)*	Detuned Reactor Reference	*Price(S$)*	Contactor Reference	*Price(S$)*
12.5	15.5	**BLRCS155A186B48**	1	*155.00*	**LVR14125A40T**	*1,005.70*	**LC1DFK11M7**	*110.70*
25	31.5	**BLRCS315A378B48**	1	*314.20*	**LVR14250A40T**	*1,083.20*	**LC1DLK11M7**	*148.60*
50	63.0	**BLRCS315A378B48**	2	*314.20*	**LVR14500A40T**	*1,518.80*	**LC1DTK12M7**	*369.00*
100	126	**BLRCS315A378B48**	4	*314.20*	**LVR14X00A40T**	*2,350.00*		

VarplusCan (14%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	*Unit Price(S$)*	Detuned Reactor Reference	*Price(S$)*	Contactor Reference	*Price(S$)*
12.5	15.5	**BLRCH155A186B48**	1	*180.50*	**LVR14125A40T**	*1,005.70*	**LC1DFK11M7**	*110.70*
25	31.5	**BLRCH315A378B48**	1	*365.20*	**LVR14250A40T**	*1,083.20*	**LC1DLK11M7**	*148.60*
50	63	**BLRCH315A378B48**	2	*365.20*	**LVR14500A40T**	*1,518.80*	**LC1DTK12M7**	*369.00*
100	126	**BLRCH315A378B48**	4	*365.20*	**LVR14X00A40T**	*2,350.00*		

Soft starters; variable speed controllers and servo drive & motor combinations

Soft start-soft stop units

Altistart 01
ATS01 for asynchronous motors 1-1

Altistart 22
ATS22 for three phase power supply 1-2
ATS22 accessories 1-4

Altistart 48
ATS48 for standard application 1-6
ATS48 accessories 1-8

Variable speed controllers

Altivar 12
ATV12 with heatsink / on base plate 1-9
Accessories, configuration tools and braking unit 1-10
Braking resistors and EMC input filters 1-11

Altivar 212
ATV212 for asynchronous motors 1-12
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Altivar 312
ATV312 for frequency range from 0.5 to 500Hz 1-15
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Passive filters 1-24
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Altivar 71
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New!
New!
Altivar Process
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Servo drive and motor combinations

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Altistart 01

soft start - soft stop units

for asynchronous motors

unit price (excl. GST in Singapore Dollars)

Soft starter for 0.37 to 5.5 kW motor

ATS01N112FT

Motor power *(1)*					Starter	Reference	Price (S$)
3 phase				1 phase	Nominal		
210V	230V	400V	460V	230V	current		
HP	kW/HP	kW	HP	kW	A		
Single phase 110…230V or 3-phase 200…480V supply voltage, 50/60Hz							
-	0.37/0.5	1.1	0.5	0.37	3	**ATS01N103FT**	*179.00*
	0.55/-		1.5				
0.5	0.75/1	2.2	2	0.75	6	**ATS01N106FT**	*208.00*
	1.1/1.5	3	3				
1	1.5/2	4	5	1.1	9	**ATS01N109FT**	*260.00*
1.5	2.2/3	5.5	7.5	1.5	12	**ATS01N112FT**	*278.00*
2	3/5	7.5	10	2.2	25	**ATS01N125FT**	*654.00*
3	4/7.5	9	15				
	5.5/-	11					

ATS01N212QN

Motor power *(1)* 3 phase				Starter	Reference	Price (S$)
230V	230V	400V	460V	Nominal		
				current		
HP	kW/HP	kW	HP	A		
3-phase 380…415V supply voltage, 50/60Hz *(2)*						
0.75/1.1	1/1.5	1.5/2.2	2/3	6	**ATS01N206QN**	*296.00*
1.5	2	3/4	5/-	9	**ATS01N209QN**	*346.00*
2.2/3	3/-	5.5/-	7.5/-	12	**ATS01N212QN**	*376.00*

Accessories

Description	Used for starter	Reference	Price (S$)
Adaptor for mounting on DZ5 MB rail	ATS01N103FT, ATS01N106FT	**RHZ66**	*5.00*
Auxiliary contact, provides information that the motor is at full voltage	ATS01N2xxLY, ATS01N2xxQ	**LAD8N11**	*19.50*

(1) Standard power ratings of motors, HP power ratings indicated according to standard UL508

*(2) For others voltage, replace suffix QN by: '**"LU"** for 200 to 240V / "**RT**" for 440 to 480V.*

Altistart 22

soft start - soft stop units

Three-phase power supply voltage 230…440 V

unit price (excl. GST in Singapore Dollars)

Connection to the motor's power supply line

Motor power given in kW in accordance with standard IEC/EN 60947-4-2. 220 V control power supply

ATS22D17Q

ATS22C11Q

Motor			**230…440 V - 50/60 Hz soft start - soft stop unit**			**Reference**	**Price (S$)**
Power indicated on rating plate			Nominal current (In)	Factory setting for current (IcL)	Dissipated power at normal current (In) *(3)*		
230V	400V	440V	*(1)*	*(1)(2)*			
kW	**kW**	**kW**	**A**	**A**	**W**		
4	7.5	7.5	14.8	17	39	**ATS22D17Q**	*1,261.00*
7.5	15	15	28.5	32	44	**ATS22D32Q**	*1,377.00*
11	22	22	42	47	48	**ATS22D47Q**	*1,620.00*
15	30	30	57	62	59	**ATS22D62Q**	*1,944.00*
18.5	37	37	69	75	63	**ATS22D75Q**	*1,981.00*
22	45	45	81	88	66	**ATS22D88Q**	*2,220.00*
30	55	55	100	110	73	**ATS22C11Q**	*2,618.00*
37	75	75	131	140	82	**ATS22C14Q**	*2,963.00*
45	90	90	162	170	91	**ATS22C17Q**	*3,629.00*
55	110	110	195	210	117	**ATS22C21Q**	*4,354.00*
75	132	132	233	250	129	**ATS22C25Q**	*4,893.00*
90	160	160	285	320	150	**ATS22C32Q**	*5,168.00*
110	220	220	388	410	177	**ATS22C41Q**	*6,318.00*
132	250	250	437	480	218	**ATS22C48Q**	*7,282.00*
160	315	355	560	590	251	**ATS22C59Q**	*8,797.00*

(1) In refers to the maximum continuous current for class 10. IcL refers to the starter rating.

(2) The factory setting for the current equates to the nominal current of a standard 4-pole, 400 V, class 10 motor (standard application). It should be adjusted in line with the current indicated on the motor rating plate.

(3) Includes the power dissipated by the fan

Life Is On Schneider Electric

Altistart 22

soft start - soft stop units

Three-phase power supply voltage 208…600 V

unit price (excl. GST in Singapore Dollars)

Connection to the motor's power supply line

Motor power given in kW in accordance with standard IEC/EN 60947-4-2. 220 V control power supply

ATS22D88S6

ATS22C48S6

Motor Power indicated on rating plate				**230…600 V - 50/60 Hz soft start - soft stop unit**			**Reference**	**Price (S$)**
230V	400V	440V	500V	Nominal current (In) *(1)*	Factory setting for current (IcL) *(1)(2)*	Dissipated power at normal current (In) *(3)*		
kW	**kW**	**kW**	**kW**	**A**	**A**	**W**		
4	7.5	7.5	9	14	17	39	**ATS22D17S6**	*1,360.00*
7.5	15	15	18.5	27	32	44	**ATS22D32S6**	*1,554.00*
11	22	22	30	40	47	48	**ATS22D47S6**	*1,747.00*
15	30	30	37	52	62	59	**ATS22D62S6**	*1,942.00*
18.5	37	37	45	65	75	63	**ATS22D75S6**	*2,135.00*
22	45	45	55	77	88	66	**ATS22D88S6**	*2,330.00*
30	55	55	75	96	110	73	**ATS22C11S6**	*2,716.00*
37	75	75	90	124	140	82	**ATS22C14S6**	*3,105.00*
45	90	90	110	156	170	91	**ATS22C17S6**	*3,881.00*
55	110	110	132	180	210	117	**ATS22C21S6**	*4,657.00*
75	132	132	160	240	250	129	**ATS22C25S6**	*5,238.00*
90	160	160	220	302	320	150	**ATS22C32S6**	*6,014.00*
110	220	220	250	361	410	177	**ATS22C41S6**	*6,790.00*
132	250	250	315	414	480	218	**ATS22C48S6**	*7,760.00*
160	315	355	400	477	590	251	**ATS22C59S6**	*9,506.00*

(1) In refers to the maximum continuous current for class 10. IcL refers to the starter rating.

(2) The factory setting for the current should be adjusted in line with the current indicated on the motor rating plate.

(3) Includes the power dissipated by the fan

Altistart 22
soft start - soft stop units
Remote display terminal and Modbus serial link

unit price (excl. GST in Singapore Dollars)

SoMove setup software

This software enables the user to configure, set, debug and organize maintenance tasks for the Altistart 22 soft start - soft stop unit. It can also be used to customize the integrated display terminal menus.
It can be downloaded from our website, “www.schneider-electric.com”.

Description	Length	Reference	Price(S$)
	m		
SoMove lite setup software	-	-	-
USB/RJ45 cordset equipped with a USB connector and an RJ45 connector.	2.5	**TCSMCNAM3M002P**	*82.00*

Remote display terminal

This terminal enables the human machine interface of the Altistart 22 soft start - soft stop unit to be positioned remotely on the door of a floor-standing enclosure. It has IP 54 or IP 65 degree of protection depending on the model.
It is used to:
- Set and configure the soft start - soft stop unit remotely
- Display the status and faults of the soft start - soft stop unit remotely

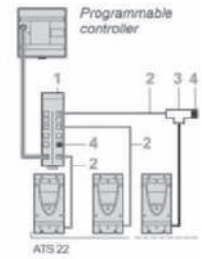
Its maximum operating temperature is 50°C. Please refer to our website at "www.schneider-electric.com" if the temperature exceeds this.

1. 4-digit display
2. Selection/validation key ENT: opens a menu or validates the value chosen
3. Navigation keys ,
4. Selection key ESC: used to exit a menu

Description	Degree of protection	Length	Dimensions WxDxH	Reference	Price(S$)
		m	m		
Remote display terminals	IP54/NEMA12	–	50x15x70	**VW3G22101**	*174.00*
A remote-mounting cordset is also required - VW3 A1104R••	IP65	–	66x19x106	**VW3G22102**	*202.00*
Remote-mounting cordsets	–	1	–	**VW3A1104R10**	*33.00*
equipped with 2 RJ45 connectors	–	3	–	**VW3A1104R30**	*46.00*

Modbus serial link

Connection via splitter box and RJ45 connectors



Example of a connection using a Modbus serial link via a splitter box with RJ45 connectors

Description		Number	Length m	Reference	Price(S$)
Modbus splitter box with 10 RJ45 connectors		**1**	–	**LU9GC3**	*199.90*
Cordsets for Modbus serial link with 2 RJ45 connectors		**2**	0.3	**VW3A8306R03**	*9.00*
			1	**VW3A8306R10**	*11.00*
			3	**VW3A8306R30**	*19.00*
Modbus T-junction boxes (with integrated cable)		**3**	0.3	**VW3A8306TF03**	*51.00*
			1	**VW3A8306TF10**	*57.00*
Line terminators (1) (2)	R = 120 Ω	**4**	–	**VW3A8306RC**	*8.00*
	R = 120 Ω	**4**	–	**VW3A8306R**	*10.00*

(1) Sold in lots of 2
(2) Depends on the bus architecture

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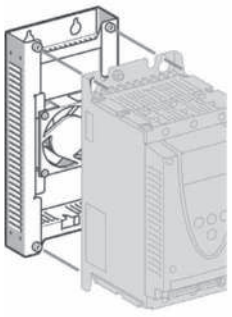
Altistart 22
soft start-soft stop units
Fans and accessories

unit price (excl. GST in Singapore Dollars)

Fans



VW3G2240•

The ATS 22C21Q…C59Q, ATS 22C21S6…C59S6 and ATS 22C21S6U…C59S6U soft start - soft stop units come with an integrated fan.
The ATS 22D17Q…C17Q, ATS 22D17S6…C17QS6 and ATS 22D17S6U…C17S6U soft start - soft stop units are ventilated by means of natural convection.
For more demanding applications, such as those with a greater number of starts, the Altistart 22 range offers fans as an option. These are driven by the soft start - soft stop unit and attached to the back of the device.
The fan's noise level is less than 60 dBA.

Power supply voltage for control	For soft start - soft stop unit	Dimensions W x D x H	Reference	Price (S$)
220	ATS22D17Q…D47Q, ATS22D17S6…D47S6	130x40x265	**VW3G22400**	*165.00*
	ATS22D62Q…D88Q, ATS22D62S6…D88S6	145x40x295	**VW3G22401**	*177.00*
	ATS22C11Q…C17Q, ATS22C11S6…C17S6	150x40x350	**VW3G22402**	*199.00*
110	ATS22D17S6U…D47S6U	130x40x265	**VW3G22U400**	*193.00*
	ATS22D62S6U…D88S6U	145x40x295	**VW3G22U401**	*206.00*
	ATS22C11S6U…C17S6U	150x40x350	**VW3G22U402**	*221.00*

Protection shrouds for power terminals (to be used with eyelet connections)

The ATS 22C11Q…C59Q, ATS 22C11S6…C59S6 and ATS 22C11S6U…C59S6U soft start - soft stop units have 6 unprotected power terminals. These terminals can be fitted with protection shrouds.

LA9F70•

Description	For soft start - soft stop units	Reference	Price (S$)
Set of 6 power terminal protection shrouds	ATS 22C11Q…C17Q, ATS 22C11S6…C17S6, ATS 22C11S6U…C17S6U	**LA9F702**	*63.60*
	ATS 22C21Q…C59Q, ATS 22C21S6…C59S6, ATS 22C21S6U…C59S6U	**LA9F703**	*98.40*

Altistart 48

soft start - soft stop units

Line voltage 230 to 415V

Connection in the motor supply line

unit price (excl. GST in Singapore Dollars)

For standard applications

ATS48D32Q

ATS48C14Q

ATS48M12Q

Motor		Starter 230/415V - 50/60Hz			Reference	Price (S$)
Motor power (1)		Nominal current (IcL)	Factory setting current	Power dissipated at nominal load		
415V	230V	(2)	(3)	load		
kW	**kW**	**A**	**A**	**W**		
7.5	4	17	14.8	59	**ATS48D17Q**	*1,235.00*
11	5.5	22	21	74	**ATS48D22Q**	*1,600.00*
15	7.5	32	28.5	104	**ATS48D32Q**	*1,718.00*
18.5	9	38	35	116	**ATS48D38Q**	*2,088.00*
22	11	47	42	142	**ATS48D47Q**	*2,282.00*
30	15	62	57	201	**ATS48D62Q**	*2,619.00*
37	18.5	75	69	245	**ATS48D75Q**	*2,684.00*
45	22	88	81	290	**ATS48D88Q**	*2,911.00*
55	30	110	100	322	**ATS48C11Q**	*3,457.00*
75	37	140	131	391	**ATS48C14Q**	*3,819.00*
90	45	170	162	479	**ATS48C17Q**	*3,856.00*
110	55	210	195	580	**ATS48C21Q**	*4,885.00*
132	75	250	233	695	**ATS48C25Q**	*6,100.00*
160	90	320	285	902	**ATS48C32Q**	*7,862.00*
220	110	410	388	1339	**ATS48C41Q**	*9,609.00*
250	132	480	437	1386	**ATS48C48Q**	*11,685.00*
315	160	590	560	1731	**ATS48C59Q**	*15,581.00*
355	-	660	605	1958	**ATS48C66Q**	*18,176.00*
400	220	790	675	2537	**ATS48C79Q**	*20,772.00*
500	250	1000	855	2865	**ATS48M10Q**	*23,629.00*
630	355	1200	1045	3497	**ATS48M12Q**	*26,771.00*

(1) Value indicated on the motor rating plate.

(2) Corresponds to the maximum permanent current in class 10. IcL corresponds to the starter rating.

(3) The factory setting current corresponds to the value of the nominal current of a standard 4-pole, 400V, class 10 motor (standard application). Adjust the setting in accordance with the motor nominal current.

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Altistart 48

soft start - soft stop units

Line voltage 208 to 690V

Motor power in kW

unit price (excl. GST in Singapore Dollars)

For standard applications

ATS48D38Y

ATS48C11Y

ATS48M12Y

Motor						Starter 208/690V - 50/60Hz			Reference	Price (S$)
Motor power (1)						Nominal current (IcL)	Factory setting current	Power dissipated at nominal load		
230V	440V	500V	525V	660V	690V	*(2)*	*(3)*			
kW	**kW**	**kW**	**kW**	**kW**	**kW**	**A**	**A**	**W**		
4	7.5	9	9	11	15	17	14	59	**ATS48D17Y**	*1,749.00*
5.5	11	11	11	15	18.5	22	21	74	**ATS48D22Y**	*1,930.00*
7.5	15	18.5	18.5	22	22	32	27	104	**ATS48D32Y**	*2,110.00*
9	18.5	22	22	30	30	38	34	116	**ATS48D38Y**	*2,380.00*
11	22	30	30	37	37	47	40	142	**ATS48D47Y**	*2,774.00*
15	30	37	37	45	45	62	52	201	**ATS48D62Y**	*3,256.00*
18.5	37	45	45	55	55	75	65	245	**ATS48D75Y**	*3,437.00*
22	45	55	55	75	75	88	77	290	**ATS48D88Y**	*3,617.00*
30	55	75	75	90	90	110	96	322	**ATS48C11Y**	*4,084.00*
37	75	90	90	110	110	140	124	391	**ATS48C14Y**	*4,397.00*
45	90	110	110	132	160	170	156	479	**ATS48C17Y**	*4,775.00*
55	110	132	132	160	200	210	180	580	**ATS48C21Y**	*6,028.00*
75	132	160	160	220	250	250	240	695	**ATS48C25Y**	*7,448.00*
90	160	220	220	250	315	320	302	902	**ATS48C32Y**	*9,788.00*
110	220	250	250	355	400	410	361	1339	**ATS48C41Y**	*11,698.00*
132	250	315	315	400	500	480	414	1386	**ATS48C48Y**	*14,347.00*
160	355	400	400	560	560	590	477	1731	**ATS48C59Y**	*19,109.00*
-	400	-	-	630	630	660	590	1958	**ATS48C66Y**	*22,303.00*
220	500	500	500	710	710	790	720	2537	**ATS48C79Y**	*25,498.00*
250	630	630	630	900	900	1000	954	2865	**ATS48M10Y**	*28,995.00*
355	710	800	800	-	-	1200	1170	3497	**ATS48M12Y**	*31,526.00*

(1) Value indicated on the motor rating plate.

(2) Corresponds to the maximum permanent current in class 10. IcL corresponds to the starter rating.

(3) The factory setting current corresponds to the value of the nominal current of a standard motor according to NEC, 460V class 10 (standard application). Adjust the setting in accordance with the motor nominal current.

Altistart 48
soft start - soft stop units
Accessories

unit price (excl. GST in Singapore Dollars)

Remote terminal

VW3G48101

Description	Reference	Price (S$)
Remote terminal	**VW3G48101**	*208.00*

Line chokes

For starters	Value of the choke	Nominal current (A)	Degree of protection	Reference	Price (S$)
ATS48D17●	1.7	15	IP20	**VZ1L015UM17T**	*762.00*
ATS48D22●	0.8	30	IP20	**VZ1L030U800T**	*960.00*
ATS48D32● and 48D38●	0.6	40	IP20	**VZ1L040U600T**	*1,128.00*
ATS48D47● and 48D62●	0.35	70	IP20	**VZ1L070U350T**	*1,469.00*
ATS48D75● to 48C14●	0.17	150	IP00	**VZ1L150U170T**	*2,029.00*
ATS48C17● to 48C25●	0.1	250	IP00	**VZ1L250U100T**	*2,552.00*
ATS48C32●	0.075	325	IP00	**VZ1L325U075T**	*2,999.00*
ATS48C41● and 48C48●	0.045	530	IP00	**VZ1L530U045T**	*3,646.00*
ATS48C59● to 48M10●	0.024	1025	IP00	**VZ1LM10U024T**	*6,199.00*
ATS48M12●	0.016	1435	IP00	**VZ1LM14U016T**	*7,110.00*

Note: Line choke with IP00 degree of protection must be fitted with a protective bar to protect personnel against electrical contact.

Protective covers for power terminals

LA9F702

To be used with tags closed

For starters	Number of covers per set	Reference	Price (S$)
ATS48C14● and 48C17●	6 *(1)*	**LA9F702**	*63.60*
ATS48C21●, ATS48C25● and ATS48C32●	6 *(1)*	**LA9F703**	*98.40*

SoMove setup software

Setup software and PC connection kit	See page 1-35

(1) The starters have 9 unprotected power terminals.

Life Is On Schneider Electric

Altivar 12
Variable speed drives
Drives with heatsink, drives on a base plate

unit price (excl. GST in Singapore Dollars)

Drives with heatsink

ATV12H075M2

ATV12HU75M3

Motor Power indicated on plate *(1)*	Line Max. line current *(2)*	Altivar 12 Continuous output current *(1)*	Max. Transient current	Power dissipated at max. output current (In) *(1)*	Reference	Price (S$)
kW	**A**	**A**	**A**	**W**		
Single-phase supply voltage 100…120V 50/60Hz *(3)*						
0.18	6	1.4	2.1	18	*(4)* **ATV12H018F1**	*355.00*
0.37	11.4	2.4	3.6	29	**ATV12H037F1**	*397.00*
0.75	18.9	4	6	48	**ATV12H075F1**	*429.00*
Single-phase supply voltage 200…240V 50/60Hz *(3) (5)*						
0.18	3.4	1.4	2.1	18	*(4)* **ATV12H018M2**	*328.00*
0.37	5.9	2.4	3.6	27	**ATV12H037M2**	*350.00*
0.55	8	3.5	5.3	34	**ATV12H055M2**	*369.00*
0.75	10.2	4.2	6.3	44	**ATV12H075M2**	*388.00*
1.5	17.8	7.5	11.2	72	**ATV12HU15M2**	*461.00*
2.2	24	10	15	93	**ATV12HU22M2**	*562.00*
3-phase supply voltage 200…240V 50/60Hz *(3)*						
0.18	2	1.4	2.1	16	*(4)* **ATV12H018M3**	*414.00*
0.37	3.6	2.4	3.6	24	**ATV12H037M3**	*459.00*
0.75	6.3	4.2	6.3	41	**ATV12H075M3**	*597.00*
1.5	11.1	7.5	11.2	73	**ATV12HU15M3**	*758.00*
2.2	14.9	10	15	85	**ATV12HU22M3**	*813.00*
3	19	12.2	18.3	94	**ATV12HU30M3**	*863.00*
4	23.8	16.7	25	128	**ATV12HU40M3**	*1,010.00*

Drive on base plate

ATV12P075M2

Single-phase supply voltage 100…120V 50/60Hz *(3)*						
0.18	6	1.4	2.1	18	*(4)* **ATV12H018F1**	*355.00*
-	11.4	2.4	3.6	29	*(6)* **ATV12P037F1**	*342.00*
Single-phase supply voltage 200…240V 50/60Hz *(3) (5)*						
0.18	3.4	1.4	2.1	18	*(4)* **ATV12H018M2**	*328.00*
-	5.9	2.4	3.6	27	*(6)* **ATV12P037M2**	*389.00*
-	8	3.5	5.3	34	*(6)* **ATV12P055M2**	*404.00*
-	10.2	4.2	6.3	44	*(6)* **ATV12P075M2**	*447.00*
3-phase supply voltage 200…240V 50/60Hz *(3)*						
0.18	2	1.4	2.1	16	*(4)* **ATV12H018M3**	*414.00*
-	3.6	2.4	3.6	24	*(6)* **ATV12P037M3**	*385.00*
-	6.3	4.2	6.3	41	*(6)* **ATV12P075M3**	*408.00*
-	11.1	7.5	11.2	73	*(6)* **ATV12PU15M3**	*560.00*
-	14.9	10	15	85	*(6)* **ATV12PU22M3**	*672.00*
-	19	12.2	18.3	94	*(6)* **ATV12PU30M3**	*833.00*
-	23.8	16.7	25	128	*(6)* **ATV12PU40M3**	*1,024.00*

(1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation.
If operation above 4 kHz needs to be continuous, the nominal drive current should be derated by 10% for 8 kHz, 20% for 12 kHz and 30% for 16 kHz.
The switching frequency can be set between 2 and 16 kHz for all ratings.
Above 4 kHz, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise.
See the derating curves in the User Manual, available on our website at "www.schneider-electric.com".
(2) Typical value for the indicated motor power and for the maximum prospective line Isc.
(3) Min. (U1) and max. (U2) nominal supply voltage: 100 (U1)…120 V (U2), 200 (U1)…240 V (U2).
(4) Due to the poor heat dissipation, the ATV 12H018●● drive is only supplied as a base plate version.
(5) Drive supplied with category C1 integrated EMC filter. This filter can be disconnected.
(6) To size the ATV 12P●●●●● drive correctly, see the specific manual for the Altivar 12 base plate version, available at our website at "www.schneider-electric.com".

Altivar 12
Variable speed drives
Accessories, configuration tools and braking unit

unit price (excl. GST in Singapore Dollars)

Accessories

VW3A9804

VW3A9523

Description		For Drives	Reference	Price (S$)
Mounting plates for mounting on 35 mm wide DIN rail		ATV12H018F1,H037F1 ATV12H18M2…H075M2 ATV12H018M3…H075M3	**VW3A9804**	*130.00*
		ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3	**VW3A9805**	*156.00*
EMC conformity kits These provide a connection compliant with EMC standards The kit consists of: The EMC plate Clamps Fixing accessories		ATV12H018F1,H037F1 ATV12H18M2…H075M2 ATV12H018M3…H075M3 ATV12P037F1 ATV12P037M2 P075M2 ATV12P018M3 P075M3	**VW3A9523**	*68.00*
		ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3 ATV12PU15M3, PU22M3	**VW3A9524**	*68.00*
		ATV12HU30M3, HU40M3 ATV12PU30M3, PU40M3	**VW3A9525**	*68.00*
+15 V/+24 V voltage converter Connects directly to the control terminals		ATV12●●●●●●	**VW3A9317**	*185.00*

Configuration tools

Configuring the drive in its packaging with the Multi-Loader tool VW3A8121 + cordset VW3A8126

Multi-Loader configuration tools and associated cable				
Multi Loader tool For copying a configuration on PC or drive and duplicating it on another drive. The drives do not need to powered-up Supplied with the tool: 1 cordset equipped with 2RJ45 connectors 1 cordset equipped with USB type A connector and a USB Mini-B type connector 1 x 2 GB SD memory card 1 female/female RJ45 adaptor 4AA /LR6 1.5V batteries		ATV12●●●●●●	**VW3A8121**	*1,057.00*
Cordset for Multi Loader tool For connecting the Multi-Loader tool to the Altivar12 drive in its packaging. Equipped with a non-locking RJ45 connector with special mechanical catch on the drive end and an RJ45 connector on the Multi-Loader end.		ATV12●●●●●● in it packaging	**VW3A8126**	*86.00*
Remote display terminals and associated cordsets				
Remote display terminals For mounting the Human-Machine interface on an enclosure door with IP54 or IP65 degree of protection A remote-mounting cordset VW3A1104 R●● is also required.	IP54	ATV12●●●●●●	**VW3A1006**	*131.00*
	IP65	ATV12●●●●●●	**VW3A1007**	*151.00*

VW3A1006

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Altivar 12
Variable speed drives
Braking resistors and EMC input filters

unit price (excl. GST in Singapore Dollars)

Braking resistors

Description	Ohmic value at 20°C	Average power available at 40°C	For Drives	Reference	Price (S$)
	Ω	W			
Braking resistors Unprotected (IP 00) If a resistor other than those specified is being used, add a thermal protection device.	100	32	ATV12●●●●F1 ATV12H018M2…HU15M2 ATV12H018M3…HU15M3 ATV12P037M2 …P075M2 ATV12P037M3... PU15M3	**VW3A7723**	*354.00*
	68	32	ATV12HU22M2 ATV12HU22M3 ATV12PU22M3	**VW3A7724**	*359.00*

Additional EMC input filters

Description	For Drives	Reference	Price (S$)
Additional EMC input filters For compliance with the requirements of standard . IEC/EN 61 800-3, category C1, C2 or C3, in Environment 1 (public network) or 2 (industrial network), depending on the drive rating. See catalouge for details	ATV 12H018F1…H037F1 ATV 12H018M2…H075M2 ATV 12P037F1 ATV 12P037M2…P075M2	**VW3A4416**	*213.00*
	ATV 12H075F1 ATV 12HU15M2, HU22M2 ATV 12PU15M2, PU22M2	**VW3A4417**	*324.00*
	ATV 12H018M3…H075M3 ATV 12P037M3… P075M3	**VW3A4418**	*288.00*
	ATV 12HU15M3, HU22M3 ATV 12PU15M3, PU22M3	**VW3A4419**	*372.00*

Altivar 212
Variable speed drives
IP 21 drives

unit price (excl. GST in Singapore Dollars)

IP 21 drives (frequency range from 0.5 to 200 Hz)

ATV212H075M3X

ATV212HD11N4

ATV212HD55N4

Motor		Line supply				Altivar 212			Reference	Price (S$)
Power indicated on rating plate		Line current *(1)*		Apparent power	Maximum prospective line Isc	Max. continuous output current *(2)*	Max. transient current for	THDI *(3)*		
		200V	240V	240V		230V	60 s			
kW	**HP**	**A**	**A**	**kVA**	**kA**	**A**	**A**	**%**		
Three-phase supply voltage: 200…240 V 50/60 Hz, without EMC filter *(4)*										
0.75	1	3.3	2.7	1.1	5	4.6	5.1	31.3	**ATV212H075M3X**	*639.00*
1.5	2	6.1	5.1	2.1	5	7.5	8.3	31.6	**ATV212HU15M3X**	*728.00*
2.2	3	8.7	7.3	3	5	10.6	11.7	30.7	**ATV212HU22M3X**	*999.00*
3	–	–	10	4.2	5	13.7	15.1	32.4	**ATV212HU30M3X**	*1,211.00*
4	5	14.6	13	5.4	5	18.7	19.3	31.1	**ATV212HU40M3X**	*1,449.00*
5.5	7.5	20.8	17.3	7.2	22	24.2	26.6	30.7	**ATV212HU55M3X**	*1,874.00*
7.5	10	27.9	23.3	9.7	22	32	35.2	30.8	**ATV212HU75M3X**	*2,448.00*
11	15	42.1	34.4	14.3	22	46.2	50.8	35.5	**ATV212HD11M3X**	*2,998.00*
15	20	56.1	45.5	18.9	22	61	67.1	33.3	**ATV212HD15M3X**	*3,747.00*
18.5	25	67.3	55.8	23.2	22	74.8	82.3	32	**ATV212HD18M3X**	*4,995.00*
22	30	80.4	66.4	27.6	22	88	96.8	35	**ATV212HD22M3X**	*5,932.00*
30	40	113.3	89.5	37.2	22	117	128.7	32.1	**ATV212HD30M3X**	*7,660.00*
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C2 or C3 EMC filter *(4)*										
0.75	*1*	1.7	1.4	1.1	5	2.2	2.4	32.8	**ATV212H075N4**	*671.00*
1.5	*2*	3.2	2.5	2.1	5	3.7	4	30.9	**ATV212HU15N4**	*710.00*
2.2	*3*	4.6	3.6	3	5	5.1	5.6	30.5	**ATV212HU22N4**	*757.00*
3	–	6.2	4.9	4.1	5	7.2	7.9	31.2	**ATV212HU30N4**	*936.00*
4	*5*	8.1	6.4	5.3	5	9.1	10	30.6	**ATV212HU40N4**	*1,073.00*
5.5	*7.5*	10.9	8.6	7.2	22	12	13.2	30.5	**ATV212HU55N4**	*1,254.00*
7.5	*10*	14.7	11.7	9.7	22	16	17.6	30.9	**ATV212HU75N4**	*1,369.00*
11	*15*	21.1	16.8	13.9	22	22.5	24.8	30.4	**ATV212HD11N4**	*1,658.00*
15	*20*	28.5	22.8	18.7	22	30.5	33.6	30.9	**ATV212HD15N4**	*2,212.00*
18.5	*25*	34.8	27.8	22.9	22	37	40.7	30.5	**ATV212HD18N4**	*2,964.00*
22	*30*	41.6	33.1	27.3	22	43.5	47.9	30.7	**ATV212HD22N4**	*4,158.00*
30	*40*	56.7	44.7	37.3	22	58.5	64.4	30	**ATV212HD30N4**	*4,907.00*
37	*50*	68.9	54.4	45.3	22	79	86.9	30.3	**ATV212HD37N4**	*5,839.00*
45	*60*	83.8	65.9	55.2	22	94	103.4	30.2	**ATV212HD45N4**	*6,488.00*
55	*75*	102.7	89	67.6	22	116	127.6	32.7	**ATV212HD55N4**	*7,615.00*
75	*100*	141.8	111.3	93.3	22	160	176	31.1	**ATV212HD75N4**	*8,572.00*

(1) Typical value for the indicated motor power and for the maximum prospective line Isc.

(2) These values are given for a nominal switching frequency of 12 kHz up to ATV 212HD15M3X and up to ATV 212HD15N4 or 8 kHz for ATV 21HD18M3X…HD30M3X and ATV 212HD18N4…HD75N4, for use in continuous operation. The switching frequency can be set between 6 and 16 kHz for all ratings. Above 8 kHz or 12 kHz, depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current. The nominal motor current must not exceed this derating value. See the derating curves on our website www.schneider-electric.com.

(3) Total current harmonic distortion in accordance with IEC/EN 61000-3-12.

(4) Drives are supplied with an EMC plate, for customer assembly.

Life Is On Schneider Electric

Altivar 212
Variable speed drives
UL Type 12/IP 55 drives

unit price (excl. GST in Singapore Dollars)

UL Type 12/IP 55 drives (frequency range from 0.5 to 200 Hz)

ATV212WU75N4

ATV212WD30N4

Motor		Line supply				Altivar 212				
Power indicated on rating plate		Line current *(1)*		Apparent power	Maximum prospective line Isc	Max. continuous output current *(2)*	Max. transient current for	THDI *(3)*		
		380 V	480 V	380 V		380/460V	60 s		Reference	Price (S$)
kW	**HP**	**A**	**A**	**kVA**	**kA**	**A**	**A**	**%**		
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C2 or C3 EMC filter										
0.75	1	1.7	1.4	1.1	5	2.2	2.4	32.8	**ATV212W075N4**	*999.00*
1.5	2	3.2	2.5	2.1	5	3.7	4	30.9	**ATV212WU15N4**	*978.00*
2.2	3	4.6	3.6	3	5	5.1	5.6	30.5	**ATV212WU22N4**	*1,119.00*
3	–	6.2	4.9	4.1	5	7.2	7.9	31.2	**ATV212WU30N4**	*1,339.00*
4	5	8.1	6.4	5.3	5	9.1	10	30.6	**ATV212WU40N4**	*1,482.00*
5.5	7.5	10.9	8.6	7.2	22	12	13.2	30.5	**ATV212WU55N4**	*1,674.00*
7.5	10	14.7	11.7	9.7	22	16	17.6	30.9	**ATV212WU75N4**	*2,186.00*
11	15	21.2	16.9	14	22	22.5	24.8	30.9	**ATV212WD11N4**	*3,753.00*
15	20	28.4	22.6	18.7	22	30.5	33.6	30.4	**ATV212WD15N4**	*4,128.00*
18.5	25	34.9	27.8	23	22	37	40.7	30.5	**ATV212WD18N4**	*5,253.00*
22	30	41.6	33.1	27.3	22	43.5	47.9	30.7	**ATV212WD22N4**	*6,387.00*
30	40	56.7	44.7	37.3	22	58.5	64.4	30	**ATV212WD30N4**	*6,505.00*
37	50	68.9	54.4	45.3	22	79	86.9	30.3	**ATV212WD37N4**	*8,102.00*
45	60	83.8	65.9	55.2	22	94	103.4	30.2	**ATV212WD45N4**	*8,064.00*
55	75	102.7	89	67.6	22	116	127.6	32.7	**ATV212WD55N4**	*9,748.00*
75	100	141.8	111.3	93.3	22	160	176	31.1	**ATV212WD75N4**	*11,644.00*
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C1 filter										
0.75	*1*	1.7	1.4	1.1	5	2.2	2.4	32.8	**ATV212W075N4C**	*1,447.00*
1.5	*2*	3.2	2.6	2.1	5	3.7	4	30.9	**ATV212WU15N4C**	*1,551.00*
2.2	*3*	4.6	3.7	3	5	5.1	5.6	30.5	**ATV212WU22N4C**	*1,530.00*
3	–	6.2	5	4.1	5	7.2	7.9	31.2	**ATV212WU30N4C**	*1,815.00*
4	*5*	8.2	6.5	5.4	5	9.1	10	30.6	**ATV212WU40N4C**	*1,862.00*
5.5	*7.5*	11	8.7	7.2	22	12	13.2	30.5	**ATV212WU55N4C**	*1,994.00*
7.5	*10*	14.7	11.7	9.7	22	16	17.6	30.9	**ATV212WU75N4C**	*2,508.00*
11	*15*	21.1	16.7	13.9	22	22.5	24.8	30.9	**ATV212WD11N4C**	*4,387.00*
15	*20*	28.4	22.8	18.7	22	30.5	33.6	30.4	**ATV212WD15N4C**	*5,050.00*
18.5	*25*	34.5	27.6	22.7	22	37	40.7	30.5	**ATV212WD18N4C**	*5,583.00*
22	*30*	41.1	33.1	27.1	22	43.5	47.9	30.7	**ATV212WD22N4C**	*7,229.00*
30	*40*	58.2	44.4	38.3	22	58.5	64.4	30	**ATV212WD30N4C**	*6,912.00*
37	*50*	68.9	54.4	45.3	22	79	86.9	30.3	**ATV212WD37N4C**	*8,609.00*
45	*60*	83.8	65.9	55.2	22	94	103.4	30.2	**ATV212WD45N4C**	*8,569.00*
55	*75*	102.7	89	67.6	22	116	127.6	32.7	**ATV212WD55N4C**	*12,141.00*
75	*100*	141.8	111.3	93.3	22	160	176	31.1	**ATV212WD75N4C**	*12,982.00*

(1) Typical value for the indicated motor power and for the maximum prospective line Isc.

(2) These values are given for a nominal switching frequency of 12 kHz up to ATV 212WD15N4 and up to ATV 212WD15N4C or 8 kHz for ATV 212WD18N4…WD75N4 and ATV 212WD18N4C…WD75N4C, for use in continuous operation.

The switching frequency can be set between 6 and 16 kHz for all ratings. Above 8 kHz or 12 kHz, depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current. The nominal motor current must not exceed this derating value. See the derating curves on our website www.schneider-electric.com.

(3) Total current harmonic distortion in accordance with IEC/EN 61000-3-12.

Altivar 212
Variable speed drives
Accessories

unit price (excl. GST in Singapore Dollars)

Kit for UL Type 1 conformity (mounting outside the enclosure)

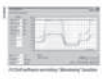
UL Type 1 conformity kit

For drives	Reference	Price (S$)
ATV 212H075M3X…HU22M3X ATV 212H075N4…HU22N4	**VW3A31814**	*188.00*
ATV 212HU30M3X, HU40M3X ATV 212HU30N4…HU55N4	**VW3A31815**	*207.00*
ATV 212HU55M3X, HU75M3X ATV 212HU75N4, HD11N4	**VW3A31816**	*216.00*
ATV 212HD11M3X…HD18M3X ATV 212HD15N4…HD22N4S	**VW3A31817**	*292.00*
ATV 212HD22M3X ATV 212HD22N4, HD30N4	**VW3A9206**	*219.00*
ATV 212HD37N4, HD45N4	**VW3A9207**	*224.00*
ATV 212HD30M3X ATV 212HD55N4, HD75N4	**VW3A9208**	*241.00*

Kit for mounting on DIN rail

For drives	Reference	Price (S$)
ATV 212H075M3X…HU22M3X ATV 212H075N4…HU22N4	**VW3A31852**	*87.00*

PCSoft software workshop



Description	Composition	Reference	Price (S$)
PC serial port connection kit for point-topoint Modbus connection	■ 1 x 3 m cable with 2 RJ45 connectors ■ 1 RS 232/RS 485 converter with one 9-way female SUB-D connector and 1 RJ45 connector	**VW3A8106**	*179.00*

Remote graphic display terminal

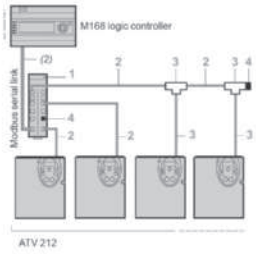
See page 1-18

SoMove Mobile software for mobile phones

See page 1-18

Connection accessories

Other connection accessories for Modbus serial link



Connection via splitter box with RJ45 connectors on Modbus serial link

Description	Item no.	Length (m)	Reference	Price (S$)
Modbus splitter block 10 RJ45 connectors and 1 screw terminal block	1		**LU9GC3**	*199.90*
Cables for Modbus serial link equipped with 2 RJ45 connectors	2	0.3 1 3	**VW3A8306R03** **VW3A8306R10** **VW3A8306R30**	*9.00* *11.00* *19.00*
Modbus T-junction boxes (with integrated cable)	3	0.3 1	**VW3A8306TF03** **VW3A8306TF10**	*51.00* *57.00*
Line terminator For RJ45 connector	4		**VW3A8306RC** *(2)*	*8.00*

(1) The Altivar 212 drive can only take one communication card.
(2) Sold in lot of 2.

Life Is On Schneider Electric

Altivar 312
Variable speed drives

unit price (excl. GST in Singapore Dollars)

Drives (frequency range from 0.5 to 500 Hz)

ATV312HU15M2

ATV312HU75M3

ATV312HU55N4

ATV312HD11N4

Motor	Line	Altivar 312			Reference	Price (S$)
Power indicated on plate (1)	Max. line current at U1 *(2) (3)*	Max. Continuous output current (In) *(1)*	Max. Transient current for 60s	Power dissipated at max. output current (In) *(1)*		
kW	**A**	**A**	**A**	**W**		
Single-phase supply voltage: 200…240 V 50/60 Hz, with integrated EMC filter *(3) (4)*						
0.18	3	1.5	2.3	24	**ATV312H018M2**	*390.00*
0.37	5.3	3.3	5	41	**ATV312H037M2**	*418.00*
0.55	6.8	3.7	5.6	46	**ATV312H055M2**	*462.00*
0.75	8.9	4.8	7.2	60	**ATV312H075M2**	*494.00*
1.1	12.1	6.9	10.4	74	**ATV312HU11M2**	*560.00*
1.5	15.8	8	12	90	**ATV312HU15M2**	*531.00*
2.2	21.9	11	16.5	123	**ATV312HU22M2**	*606.00*
Three-phase supply voltage: 200…240 V 50/60 Hz, without EMC filter *(3) (5)*						
0.18	2.1	1.5	2.3	23	**ATV312H018M3**	*454.00*
0.37	3.8	3.3	5	38	**ATV312H037M3**	*492.00*
0.55	4.9	3.7	5.6	43	**ATV312H055M3**	*548.00*
0.75	6.4	4.8	7.2	55	**ATV312H075M3**	*626.00*
1.1	8.5	6.9	10.4	71	**ATV312HU11M3**	*681.00*
1.5	11.1	8	12	86	**ATV312HU15M3**	*781.00*
2.2	14.9	11	16.5	114	**ATV312HU22M3**	*1,026.00*
3	19.1	13.7	20.6	146	**ATV312HU30M3**	*1,271.00*
4	24.2	17.5	26.3	180	**ATV312HU40M3**	*1,496.00*
5.5	36.8	27.5	41.3	292	**ATV312HU55M3**	*1,922.00*
7.5	46.8	33	49.5	388	**ATV312HU75M3**	*2,475.00*
11	63.5	54	81	477	**ATV312HD11M3**	*3,192.00*
15	82.1	66	99	628	**ATV312HD15M3**	*3,944.00*
Three-phase supply voltage: 380…500 V 50/60 Hz, with integrated EMC filter *(3) (4)*						
0.37	2.2	3.3	1.5	32	**ATV312H037N4**	*577.00*
0.55	2.8	3.7	1.9	37	**ATV312H055N4**	*545.00*
0.75	3.6	4.8	2.3	41	**ATV312H075N4**	*595.00*
1.1	4.9	6.9	3	48	**ATV312HU11N4**	*744.00*
1.5	6.4	8	4.1	61	**ATV312HU15N4**	*835.00*
2.2	8.9	11	5.5	79	**ATV312HU22N4**	*924.00*
3	10.9	13.7	7.1	125	**ATV312HU30N4**	*1,140.00*
4	13.9	17.5	9.5	150	**ATV312HU40N4**	*1,301.00*
5.5	21.9	27.5	14.3	232	**ATV312HU55N4**	*1,472.00*
7.5	27.7	33	17	269	**ATV312HU75N4**	*1,920.00*
11	37.2	54	27.7	397	**ATV312HD11N4**	*2,384.00*
15	48.2	66	33	492	**ATV312HD15N4**	*2,877.00*
Three-phase supply voltage: 525…600 V 50/60 Hz, without EMC filter *(3)(6)*						
0.75	2.8	1.7	2.6	36	**ATV312H075S6**	*668.00*
1.5	4.8	2.7	4.1	48	**ATV312HU15S6**	*938.00*
2.2	6.4	3.9	5.9	62	**ATV312HU22S6**	*1,037.00*
4	10.7	6.1	9.2	94	**ATV312HU40S6**	*1,460.00*
5.5	16.2	9	13.5	133	**ATV312HU55S6**	*1,651.00*
7.5	21.3	11	16.5	165	**ATV312HU75S6**	*2,088.00*
11	27.8	17	25.5	257	**ATV312HD11S6**	*2,648.00*
15	36.4	22	33	335	**ATV312HD15S6**	*3,196.00*

(1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation.
The switching frequency is adjustable from 2 to16 kHz. Above 4 kHz, derate the nominal drive current.
The nominal motor current should not exceed this value. See derating curves from catalogue.
(2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4).
(3) Nominal supply voltage, min. U1, max. U2: 200 (U1)…240 V (U2), 380 (U1)…500 V (U2), 525 (U1)…600 V (U2).
(4) Drives supplied with category C2 or C3 integrated EMC filter. This filter can be disconnected.
(5) EMC filter available as an option (see page 1-21).
(6) Mandatory line choke to be ordered separately (see page 1-20).

Altivar 312
Variable speed drives
Accessories, communication buses and networks

unit price (excl. GST in Singapore Dollars)

Accessories

VW3A9804

Description	For Drives	Reference	Price (S$)
Plates for mounting on DIN. rail, width 35mm	ATV312H018M2…H075M2 ATV312H018M3…H075M3	**VW3A9804**	*130.00*
	ATV312HU11M2,HU15M2 ATV312HU11M3…HU22M3 ATV312H037N4…HU15N4 ATV312H075S6,HU15S6	**VW3A9805**	*156.00*

Communication card

CANopen Daisy chain communication card	**VW3A31208**	*176.00*
DeviceNet communication card	**VW3A31209**	*446.00*
PROFIBUS DP communication card	**VW3A31207**	*334.00*
ATV 312 control I/O card	**VW3A31201**	*119.00*

Modbus serial link

Accessories for connection via splitter boxes and RJ45 connectors

Description		Length (m)	Reference	Price (S$)
Modbus splitter box 10 RJ45 connectors and 1 screw terminal block		-	**LU9GC3**	*199.90*
Cables for Modbus serial link equipped with 2 RJ45 connectors		0.3	**VW3A8306R03**	*9.00*
		1	**VW3A8306R10**	*11.00*
		3	**VW3A8306R30**	*19.00*
Modbus T-connectors (with integrated cable)		0.3	**VW3A8306TF03**	*51.00*
		1	**VW3A8306TF10**	*57.00*
Modbus line terminators for RJ45. connector (sold in lots of 2)	R=120 ohm C=1 nf	-	**VW3A8306RC**	*8.00*
	R=150 ohm	-	**VW3A8306R**	*10.00*

Accessories for connection via tap junctions

TSXSCA62

TSXSCA50

Description	Length (m)	Reference	Price (S$)
Modbus subscriber socket Two 15-way female SUB-D. connectors and 2 screw terminal block, RC line terminator To be connected using cable VW3 A8 306	-	**TSXSCA62**	*270.00*
Modbus junction box 3 screw terminal blocks, RC line terminator To be connected using cable VW3 A8 306 D30		**TSXSCA50**	*249.00*
Modbus drop cable 1 RJ45 connector and 1x15-way. male SUB-Dconnectorfor TSXSCA62	3	**VW3A8306**	*26.00*
Modbus drop cable 1 RJ45 connector and one stripped end	3	**VW3A8306D30**	*15.00*

Life Is On Schneider Electric

Altivar 312
Variable speed drives
Communication buses and networks
Dialogue and configuration tools

unit price (excl. GST in Singapore Dollars)

CANopen machine bus

TSXETG100

LUFP1

Connection with CANopen Daisy chain communication card

Description	Item	Length	Reference	Price(S$)
CANopen cables	3	1 m	**VW3CANCARR1**	*19.00*
fitted with 2 RJ45 connectors				

Other connection accessories and cables

Description	Item	Length	Reference	Price(S$)
CANopen cable	4	50 m	**TSXCANCA50**	*409.00*
Standard cable, ce marking		100 m	**TSXCANCA100**	*775.00*
Low smokee mission, halogen-free		300 m	**TSXCANCA300**	*2,133.00*
Flame retardant (IEC60332-1)				
CANopen cable	4	50 m	**TSXCANCD50**	*696.00*
Cable for harsh environments or		100 m	**TSXCANCD100**	*1,318.00*
mobile installations, ce marking		300 m	**TSXCANCD300**	*3,555.00*
Low smokee mission, halogen-free				
Flame retardant (IEC60332-1)				
IP20 CANopen junction boxes	5		**VW3CANTAP2**	*385.00*
equipped with:				
2 screw terminal blocks for trunk cable tap link				
2 RJ45 connectors for connecting drives				
1 RJ45 connector for connecting a PC				

Description	Cable to be connected	Reference	Price(S$)
Ethernet gateway/router	VW3A8306D30	**TSXETG100**	*1,350.00*
Modbus, class B10			
For connection to the Modbus TCP network			
Fipio/Modbus gateway	VW3A8306R●●	**LUFP1**	*1,535.50*
For connection to the Fipio bus			

Remote graphic display terminal

Description	Item	Length	Reference	Price(S$)
Remote graphic display terminals	5		**VW3A1101**	*487.00*
A remote cable VW3A1104R●●●, and				
an RJ45 adaptor, VW3A1105, must be provided				
Remote cables	6	1 m	**VW3A1104R10**	*33.00*
equipped with 2 RJ45 .		3 m	**VW3A1104R30**	*46.00*
connectors		5 m	**VW3A1104R50**	*56.00*
		10 m	**VW3A1104R100**	*67.00*
Female/female RJ45 adaptor	7		**VW3A1105**	*54.00*

SoMove Mobile software for mobile phones

Description		Reference	Price(S$)
SoMove Mobile software for mobile phones		**--**	
Can.be.downloaded.from.our.website..www.schneider-electric .com			
USB-Bluetooth® adaptor for PC	This adaptor is required for a PC that does not have Bluetooth® technology. . It is connected to a USB port on the PC. Range 10 m (class 2)	**VW3A8115**	*267.00*
SoMove setup software	Includes: SoMove setup software for PC in Chinese, English, French, German, Italian and Spanish DTMs (Device Type Managers) and technical documention for variable speed drives, starters and servo motors	See page 1-35	

Altivar 312
Variable speed drives
Braking resistors

unit price (excl. GST in Singapore Dollars)

Protected braking resistors

VW3A7702

For drives	Minimum resistor value *(1)*	Ohmic value	Average power available at Reference Weight		Reference	Price(S$)
			40°C *(2)*	50°C		
ATV312H018M2…H075M2	40	100	58	50	**VW3A7701**	*342.00*
ATV312HU11M2,HU15M2	27					
ATV312H018M3…H075M3	40					
ATV312HU11M3,HU15M3	27					
ATV312H037N4…H075N4	80					
ATV312HU11N4…HU22N4	54					
ATV 312 HU22M2, ATV 312HU22M3	25	60	115	100	**VW3A7702**	*402.00*
ATV 312 HU30M3	16					
ATV 312 HU30N4	55	100	58	50	**VW3A7701**	*342.00*
ATV 312 HU40N4	36					
ATV 312 HU55N4	29	60	115	100	**VW3A7702**	*402.00*
ATV 312 HU75N4	19					
ATV 312 HU55S6	34					
ATV 312 HU40M3	16	28	231	200	**VW3A7703**	*606.00*
ATV 312HD11 N4, HD15N4	20					
ATV 312HD11 S6, HD15S6	24					
ATV 312HU55M3, HU75M3	8	15	1154	1000	**VW3A7704**	*1,137.00*
ATV 312HD11 M3, HD15M3	5	10 *(3)*	1154	1000	**VW3A7705**	*1,070.00*

(1) Depends on the drive rating.

(2) Power that can be dissipated by the resistor at the maximum temperature of 115° C, corresponding to a maximum temperature rise of 75° C in a 40° C enviroment.

(3) Ohmic value obtained as a function of the connection described in the resistor operating instructions.

Life Is On Schneider Electric

Altivar 312
Variable speed drives
Line chokes

unit price (excl. GST in Singapore Dollars)

Line chokes

VW3A4554

For drives	Line current without choke		Line current with choke		Reference	Price (S$)
	U min.*(1)*	U max. *(1)*	U min.*(1)*	U max. *(1)*		
	A	**A**	**A**	**A**		
Single-phase supply voltage: 200…240 V 50/60 Hz						
ATV312H055M2	6.8	5.8	5.2	4.3	**VZ1L007UM50**	*308.00*
ATV312H075M2	8.9	7.5	7	5.9		
ATV312HU11M2	12.1	10.2	10.2	8.6	**VZ1L018UM20**	*356.00*
ATV312HU15M2	15.8	13.3	13.4	11.4		
ATV312HU22M2	21.9	18.4	19.2	16.1		
Three-phase supply voltage: 200…240 V 50/60 Hz						
ATV312H018M3	2.1	1.9	1	0.9	**VW3A4551**	*415.00*
ATV312H037M3	3.8	3.3	1.9	1.6		
ATV312H055M3	4.9	4.2	2.5	2.2		
ATV312H075M3	6.4	5.6	3.3	2.9		
ATV312HU11M3	8.5	7.4	4.8	4.2	**VW3A4552**	*548.00*
ATV312HU15M3	11.1	9.6	6.4	5.6		
ATV312HU22M3	14.9	13	9.2	8	**VW3A4553**	*631.00*
ATV312HU30M3	19.1	16.6	12.3	10.7		
ATV312HU40M3	24.2	21.1	16.1	14	**VW3A4554**	*707.00*
ATV312HU55M3	36.8	32	21.7	19		
ATV312HU75M3	46.8	40.9	29	25.2		
ATV312HD11M3	63.5	55.6	41.6	36.5	**VW3A4555**	*1,041.00*
ATV312HD15M3	82.1	71.9	55.7	48.6		
Three-phase supply voltage: 380…500 V 50/60 Hz						
ATV312H037N4	2.2	1.7	1.1	0.9	**VW3A4551**	*415.00*
ATV312H055N4	2.8	2.2	1.4	1.2		
ATV312H075N4	3.6	2.7	1.8	1.5		
ATV312HU11N4	4.9	3.7	2.6	2		
ATV312HU15N4	6.4	4.8	3.4	2.6		
ATV312HU22N4	8.9	6.7	5	4.1	**VW3A4552**	*548.00*
ATV312HU30N4	10.9	8.3	6.5	5.2		
ATV312HU40N4	13.9	10.6	8.5	6.6		
ATV312HU55N4	21.9	16.5	11.7	9.3	**VW3A4553**	*631.00*
ATV312HU75N4	27.7	21	15.4	12.1		
ATV312HD11N4	37.2	28.4	22.5	18.1	**VW3A4554**	*707.00*
ATV312HD15N4	48.2	36.8	29.6	23.3		
Three-phase supply voltage: 525…600 V 50/60 Hz *(2)*						
ATV312H075S6			1.4	1.4	**VW3A4551**	*415.00*
ATV312HU15S6			2.4	2.3		
ATV312HU22S6			3.8	3.6		
ATV312HU40S6			6	5.8	**VW3A4552**	*548.00*
ATV312HU55S6			7.8	7.5		
ATV312HU75S6			11	10.7	**VW3A4553**	*631.00*
ATV312HD11S6			15	14.4		
ATV312HD15S6			21.1	20.6	**VW3A4554**	*707.00*

(1) Nominal supply voltage:

For drives	Nominal voltage	
	U min.	U max.
ATV 312H●●●M2	200	240
ATV 312H●●●M3		
ATV 312H●●●N4	380	500
ATV 312H●●●S6	525	600

(2) Line choke mandatory for ATV 312H●●●S6 drives

Altivar 312
Variable speed drives
Additional EMC input filters

unit price (excl. GST in Singapore Dollars)

Additional EMC input filters

VW3A31405

For drives	Filter		In	Il	Losses	Reference	Price (S$)
	Maximum length of shielded cable *(1)* IEC 61800-3 *(5)*		*(2)*	*(3)*	*(4)*		
	Category C2	Category C1					
	m	**m**	**A**	**mA**	**W**		
Single-phase supply voltage: 200…240 V 50/60 Hz							
ATV312HU11M2 ATV312HU15M2	50	20	16	150	6.9	**VW3A31403**	*182.00*
ATV312HU22M2	50	20	22	80	7.5	**VW3A31405**	*246.00*
Three-phase supply voltage: 200…240 V 50/60 Hz							
ATV312H018M3 ATV312H037M3 ATV312H055M3 ATV312H075M3	5	--	7	7	2.6	**VW3A31402**	*248.00*
ATV312HU11M3 ATV312HU15M3 ATV312HU22M3	5	--	15	15	9.9	**VW3A31404**	*294.00*
ATV312HU30M3 ATV312HU40M3	5	--	25	35	15.8	**VW3A31406**	*435.00*
ATV312HU55M3 ATV312HU75M3	5	--	47	45	19.3	**VW3A31407**	*617.00*
ATV312HD11M3 ATV312HD15M3	5	--	83	15	35.2	**VW3A31408**	*927.00*
Three-phase supply voltage: 380…500 V 50/60 Hz							
ATV312H037N4 ATV312H055N4 ATV312H075N4 ATV312HU11N4 ATV312HU15N4	50	20	15	15	9.9	**VW3A31404**	*294.00*
ATV312HU22N4 ATV312HU30N4 ATV312HU40N4	50	20	25	35	15.8	**VW3A31406**	*435.00*
ATV312HU55N4 ATV312HU75N4	50	20	47	45	19.3	**VW3A31407**	*617.00*
ATV312HD11N4 ATV312HD15N4	50	20	83	15	35.2	**VW3A31409**	*705.00*

(1) The filter selection tables give the maximum lengths for shielded cables connecting motors to drives for a switching frequency of 2 to 16 kHz. These maximum lengths are given as examples only, as they vary depending on the stray capacitance of the motors and the cables used.

If motors are connected in parallel, the sum of the cable lengths must be taken into account.

(2) In: nominal filter current.

(3) Il: maximum earth leakage current at 50 Hz.

(4) Via heat dissipation, at the nominal filter current (In).

(5) Standard IEC 61800-3: EMC immunity and conducted and radiated EMC emissions:

- Category C1 : public power supply (residential)

- Category C2 : industrial power supply

Life Is On Schneider Electric

Altivar 312
Variable speed drives
Output filters and motor chokes

unit price (excl. GST in Singapore Dollars)

LR filter cells

For drives	Losses	Nomial current	Reference	Price(S$)
	W	**A**		
ATV312H018M2…H075M2 ATV312H018M3…H075M3 ATV312H037N4…HU40N4 ATV312HD11N4,HD15N4 ATV312H075S6...HU55S6	150	10	**VW3A58451**	*933.00*
ATV312HU22M2, ATV312HU22M3,HU30M3 ATV312HU55N4 ATV312HU75S6	180	16	**VW3A58452**	*1,065.00*
ATV312HU40M3...HU75M3 ATV312HU75N4 ATV312HD11S6,HD15S6	220	33	**VW3A58453**	*1,511.00*

Motor chokes

For drives	Losses	Nomial current	Reference	Price(S$)
	W	**A**		
ATV312HU22N4...HU40N4 ATV312HU40S6,HU55S6	65	10	**VW3A4552**	*548.00*
ATV312HU22M2 ATV312HU22M3,HU30M3 ATV312HU55N4 ATV312HU75S6	75	16	**VW3A4553**	*631.00*
ATV312HU40M3...HU75M3 ATV312HU75N4,HD11N4 ATV312HD11S6,HD15S6	90	30	**VW3A4554**	*707.00*
ATV312HD15N4	80	60	**VW3A4555**	*1,041.00*
ATV312HD11M3,HD15M3	--	100	**VW3A4556**	*1,291.00*

Altivar 61

Variable speed drives

Supply voltage 380...480V 50/60 Hz

SEMI F47 Certified

unit price (excl. GST in Singapore Dollars)

IP 20 drives

Three phase supply voltage: 380…480 V 50/60 Hz

ATV61H075N4

ATV61HC31N4

Motor		Line supply				Altivar 61			Reference	Price (S$)
Power indicated on plate *(1)*		Line current *(2)*		Apparent power	Maximum prospective line Isc	Max. continuous current *(1)*		Max. transient current		
		380 V	480 V	380 V		380 V	460 V	for 60 s		
kW	HP	A	A	kVA	kA	A	A	A		
0.75	1	3.7	3	2.4	5	2.3	2.1	2.7	**ATV61H075N4**	*1,330.00*
1.5	2	5.8	5.3	3.8	5	4.1	3.4	4.9	**ATV61HU15N4**	*1,633.00*
2.2	3	8.2	7.1	5.4	5	5.8	4.8	6.9	**ATV61HU22N4**	*1,682.00*
3	–	10.7	9	7	5	7.8	6.2	9.3	**ATV61HU30N4**	*1,972.00*
4	5	14.1	11.5	9.3	5	10.5	7.6	12.6	**ATV61HU40N4**	*2,039.00*
5.5	7.5	20.3	17	13.4	22	14.3	11	17.1	**ATV61HU55N4**	*2,745.00*
7.5	10	27	22.2	17.8	22	17.6	14	21.1	**ATV61HU75N4**	*2,996.00*
11	15	36.6	30	24.1	22	27.7	21	33.2	**ATV61HD11N4**	*3,394.00*
15	20	48	39	31.6	22	33	27	39.6	**ATV61HD15N4**	*4,378.00*
18.5	25	45.5	37.5	29.9	22	41	34	49.2	**ATV61HD18N4**	*4,799.00*
22	30	50	42	32.9	22	48	40	57.6	**ATV61HD22N4**	*5,509.00*
30	40	66	56	43.4	22	66	52	79.2	**ATV61HD30N4**	*6,717.00*
37	50	84	69	55.3	22	79	65	94.8	**ATV61HD37N4**	*8,274.00*
45	60	104	85	68.5	22	94	77	112.8	**ATV61HD45N4**	*9,317.00*
55	75	120	101	79	22	116	96	139.2	**ATV61HD55N4**	*10,817.00*
75	100	167	137	109.9	22	160	124	192	**ATV61HD75N4**	*13,457.00*
90	125	166	143	109.3	35	179	179	214.8	**ATV61HD90N4**	*14,110.00*
110	150	202	168	133	35	215	215	236.5	**ATV61HC11N4**	*16,475.00*
132	200	239	224	157.3	35	259	259	284.9	**ATV61HC13N4**	*20,816.00*
160	250	289	275	190.2	50	314	314	345.4	**ATV61HC16N4**	*25,215.00*
200	300	357	331	235	50	427	427	469.7	**ATV61HC22N4**	*29,181.00*
220	350	396	383	260.6	50					
250	400	444	435	292.2	50	481	481	529.1	**ATV61HC25N4**	*41,530.00*
280	450	494	494	325.1	50	616	616	677.6	**ATV61HC31N4**	*52,047.00*
315	500	555	544	365.3	50					
355	–	637	597	419.3	50	759	759	834.9	**ATV61HC40N4**	*55,202.00*
400	600	709	644	466.6	50					
500	700	876	760	576.6	50	941	941	1035.1	**ATV61HC50N4**	*72,954.00*
560	800	978	858	643.6	50	1188	1188	1306.8	**ATV61HC63N4**	*80,249.00*
630	900	1091	964	718	50					

(1) These values are given for a nominal switching frequency of 12 kHz up to ATV 61HD75N4, 4 kHz for ATV 61HD90N4 or 2.5 kHz for ATV 61HC11N4…HC63N4, for use in continuous operation.

The switching frequency is adjustable from 1…16 kHz up to ATV 61HD75N4 and 2…8 kHz for ATV 61HD90N4… ATV 61HC63N4.

Above 2.5, 4 or 12 kHz depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves from catalouge).

(2) Typical value for the indicated motor power and for the maximum prospective line Isc.

Note: Consult the summary tables of possible drive, option and accessory combinations.

Life Is On Schneider Electric

Variable speed drives
for asynchronous motors
Altivar 61: reduction of current harmonics
Accessories: DC and line chokes

unit price (excl. GST in Singapore Dollars)

DC chokes *(1)*

3-phase supply voltage: 380 480 V 50/60 Hz

For drives	Inductance value	Nominal current	Loss	Reference	Price (S$)
	mH	A	W		
ATV 61H075N4	18	2.25	7.7	**VW3A4501**	*208.00*
ATV 61HU15N4	10	4.3	11	**VW3A4502**	*205.00*
ATV 61HU22N4, HU30N4	6.8	8	22.5	**VW3A4503**	*231.00*
ATV 61HU40N4	3.9	10.7	27	**VW3A4504**	*235.00*
ATV 61HU55N4	3.2	14.3	32	**VW3A4505**	*277.00*
ATV 61HU75N4	2.2	19.2	33	**VW3A4506**	*305.00*
ATV 61HD11N4	1.6	27.4	43	**VW3A4507**	*343.00*
ATV 61HD15N4, HD18N4	1.2	44	57.5	**VW3A4508**	*431.00*
ATV 61HD22N4…HD37N4	0.52	84.5	98.3	**VW3A4510**	*665.00*
ATV 61HD45N4…HD75N4	0.22	171.2	128	**VW3A4511**	*1,204.00*

(1) With ATV 61HD55M3X, HD90M3X and ATV 61HD90N4... HC63N4 drives, the DC choke is supplied as standard with the drive. It is integrated into ATV61W…N4 and ATV61W…N4C drives.

Line chokes

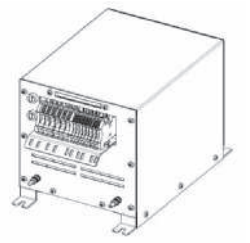
3-phase supply voltage: 380 480 V 50/60 Hz

For drives		Line supply Line Isc	Line choke				Qty per drive	Reference	Price (S$)
			Inductance value	Nominal current	Saturation current	Loss			
		kA	mH	A	A	W			
ATV 61H075N4, HU15N4		5	10	4		45	1	**VW3A4551**	*415.00*
ATV 61HU22N4…HU40N4		5	4	10		65	1	**VW3A4552**	*548.00*
ATV 61HU55N4, HU75N4		22	2	16		75	1	**VW3A4553**	*631.00*
ATV 61HD11N4, HD15N4		22	1	30		90	1	**VW3A4554**	*707.00*
ATV 61HD18N4, HD22N4		22	0.5	60		94	1	**VW3A4555**	*1,041.00*
ATV 61HD30N4…HD55N4		22	0.3	100		260	1	**VW3A4556**	*1,291.00*
ATV 61HD75N4		22	0.15	230		400	1	**VW3A4557**	*1,645.00*
ATV 61HD90N4		35	0.155	184		220	1	**VW3A4558**	*1,764.00*
ATV 61HC11N4D		35	0.12	222	445	230	1	**VW3A4559**	*1,846.00*
ATV 61HC13N4D		35	0.098	264	530	245	1	**VW3A4560**	*2,075.00*
ATV 61HC16N4D		50	0.085	300	474	315	1	**VW3A4568**	*2,282.00*
ATV 61HC22N4D	Motor P 200kW	50	0.066	344	685	258	1	**VW3A4561**	*2,233.00*
	Motor P 220kW	50	0.06	450	574	335	1	**VW3A4569**	*2,714.00*
ATV 61HC25N4D		50	0.06	450	574	335	1	**VW3A4569**	*2,714.00*
ATV 61HC31N4D		50	0.038	613	1150	307	1	**VW3A4564**	*3,289.00*
ATV 61HC40N4D		50	0.032	720	1352	428	1	**VW3A4565**	*3,865.00*
ATV 61HC50N4D		50	0.06	450	849	335	2	**VW3A4569**	*2,714.00*
ATV 61HC63N4D		50	0.038	613	1150	307	2	**VW3A4564**	*3,289.00*

Variable speed drives
for asynchronous motors
Altivar 61: reduction of current harmonics
Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: Three-phase power supply 400V 50Hz



Motor rating		For ATV61 drives	Line Supply Line Current	Filter In, I *(2)*	Filter In, O	Quantity per Drive	Reference	Price (S$)
kW	HP		A	A	A			
THDI 16% *(1)*								
0.75	1	H075N4	2.5	6	6.2	1	**VW3A46101**	*2,280.00*
1.5	2	HU15N4	3.6	6	6.2	1	**VW3A46101**	*2,280.00*
2.2	3	HU22N4	5	6	6.2	1	**VW3A46101**	*2,280.00*
3	-	HU30N4	6	6	6.2	1	**VW3A46101**	*2,280.00*
4	5	HU40N4	7.8	10	10.4	1	**VW3A46102**	*2,774.00*
5.5	7.5	HU55N4	10	10	10.4	1	**VW3A46102**	*2,774.00*
7.5	10	HU75N4	14	14	14.5	1	**VW3A46103**	*3,231.00*
11	15	HD11N4	19	22	23.0	1	**VW3A46104**	*3,689.00*
15	20	HD15N4	26	29	30.0	1	**VW3A46105**	*4,125.00*
18.5	25	HD18N4	32	35	36.5	1	**VW3A46106**	*4,752.00*
22	30	HD22N4	38	43	44.5	1	**VW3A46107**	*4,945.00*
30	40	HD30N4	52	58	60.0	1	**VW3A46108**	*6,395.00*
37	50	HD37N4	63	72	75.0	1	**VW3A46109**	*7,841.00*
45	60	HD45N4	77	86	89.5	1	**VW3A46110**	*8,456.00*
55	75	HD55N4	91	101	105.0	1	**VW3A46111**	*9,060.00*
75	100	HD75N4	126	144	150.0	1	**VW3A46112**	*10,494.00*
THDI 10%								
90	125	HC90N4	149	144	150.0	1	**VW3A46112**	*10,494.00*
110	150	HC11N4, ***QC11N4***	182	180	187.0	1	**VW3A46113**	*13,043.00*
132	200	HC13N4, ***QC13N4***	218	217	225.0	1	**VW3A46114**	*14,962.00*
160	250	HC16N4, ***QC16N4***	287	304	316.0	1	**VW3A46116**	*17,535.00*
200	300	HC22N4, ***QC20N4***	353.5	380	395.0	1	**VW3A46118**	*22,943.00*
220	350	HC22N4, ***QC25N4***	364	380	395.0	1	**VW3A46118**	*22,943.00*
250	400	HC25N4, ***QC25N4***	415	433	450.0	1	**VW3A46119**	*25,575.00*
280	450	HC31N4, ***QC31N4***	485	252	262.0	2	**VW3A46115**	*16,748.00*
315	500	HC31N4, ***QC31N4***	543	304	316.0	2	**VW3A46116**	*17,535.00*
355	-	HC40N4, ***QC40N4***	588	304	316.0	2	**VW3A46116**	*17,535.00*
400	600	HC40N4, ***QC40N4***	664	325	338.0	2	**VW3A46117**	*20,193.00*
500	700	HC50N4, ***QC50N4***	840	433	450.0	2	**VW3A46119**	*25,575.00*
560	800	HC63N4, ***QC63N4***	978	325	338.0	3	**VW3A46117**	*20,193.00*
630	900	HC63N4, ***QC63N4***	1091	380	395.0	3	**VW3A46118**	*22,943.00*

(1) By adding a DC choke (see in catalogue) to ATV 61H075N4…HD75N4 drives, a THD ≤ 10% is obtained. These reduced current harmonics are obtained on condition that the THDU is < 2%, the RSCE is > 66%, and only for the nominal current of the passive filter.

(2) In: nominal filter current.

Life Is On Schneider Electric

Variable speed drives
for asynchronous motors
Altivar 61: reduction of current harmonics
Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: Three-phase power supply 400V 50Hz

Motor rating		For ATV61 drives	Line Supply Line Current	Filter In, I *(2)*	Filter In, O	Quantity per Drive	Reference	Price (S$)
kW	HP		A	A	A			
THDI 10% *(1)*								
0.75	1	H075N4	2.5	6	6.2	1	**VW3A46120**	*3,267.00*
1.5	2	HU15N4	3.6	6	6.2	1	**VW3A46120**	*3,267.00*
2.2	3	HU22N4	5	6	6.2	1	**VW3A46120**	*3,267.00*
3	-	HU30N4	6	6	6.2	1	**VW3A46120**	*3,267.00*
4	5	HU40N4	7.8	10	10.4	1	**VW3A46121**	*3,914.00*
5.5	7.5	HU55N4	10	10	10.4	1	**VW3A46121**	*3,914.00*
7.5	10	HU75N4	14	14	14.5	1	**VW3A46122**	*4,280.00*
11	15	HD11N4	19	22	23	1	**VW3A46123**	*4,646.00*
15	20	HD15N4	26	29	30	1	**VW3A46124**	*5,369.00*
18.5	25	HD18N4	32	35	36.5	1	**VW3A46125**	*6,117.00*
22	30	HD22N4	38	43	44.5	1	**VW3A46126**	*7,318.00*
30	40	HD30N4	52	58	60	1	**VW3A46127**	*8,443.00*
37	50	HD37N4	63	72	75	1	**VW3A46128**	*10,410.00*
45	60	HD45N4	77	86	89.5	1	**VW3A46129**	*11,195.00*
55	75	HD55N4	91	101	105	1	**VW3A46130**	*12,738.00*
75	100	HD75N4	126	144	150	1	**VW3A46131**	*15,007.00*
THDI 5%								
90	125	HD90N4	149	144	150	1	**VW3A46131**	*15,007.00*
110	150	HC11N4, ***QC11N4***	182	180	187	1	**VW3A46132**	*18,290.00*
132	200	HC13N4, ***QC13N4***	218	217	225	1	**VW3A46133**	*20,547.00*
160	250	HC16N4, ***QC16N4***	287	304	316	1	**VW3A46135**	*24,077.00*
200	300	HC22N4, ***QC20N4***	353.5	380	395	1	**VW3A46137**	*33,512.00*
220	350	HC22N4, ***QC25N4***	364	380	395	1	**VW3A46137**	*33,512.00*
250	400	HC25N4, ***QC25N4***	415	433	450	1	**VW3A46138**	*37,769.00*
280	450	HC31N4, ***QC31N4***	485	252	262	2	**VW3A46134**	*22,311.00*
315	500	HC31N4, ***QC31N4***	543	304	316	2	**VW3A46135**	*24,077.00*
355	-	HC40N4, ***QC40N4***	588	304	316	2	**VW3A46135**	*24,077.00*
400	600	HC40N4, ***QC40N4***	664	325	338	2	**VW3A46136**	*29,639.00*
500	700	HC50N4, ***QC50N4***	840	433	450	2	**VW3A46138**	*37,769.00*
560	800	HC63N4, ***QC63N4***	918	325	338	3	**VW3A46136**	*29,639.00*
630	900	HC63N4, ***QC63N4***	1091	380	395	3	**VW3A46137**	*33,512.00*

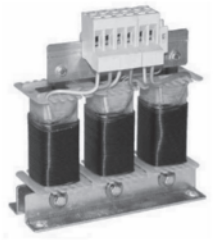
(1) By adding a DC choke (see in catalogue) to ATV 61H075N4…HD75N4 drives, a THD ≤ 5% is obtained. These reduced current harmonics are obtained on condition that the THDU is < 2%, the RSCE > 66%, and only for the nominal current of the passive filter.

(2) In: nominal filter current.

Variable speed drives
for asynchronous motors
Altivar 61: output filters
Accessories: motor chokes

unit price (excl. GST in Singapore Dollars)

Motor chokes



VW3A5104

For drives		Maximum motor cable length *(1)*		Loss	Nominal current	Quantity per drive	Reference	Price (S$)
		Shielded	Unshielded					
		m	m	W	A			
3-phase supply voltage: 200…240 V 50/60 Hz								
ATV61H075M3...HU22M3		150	300	150	12		**VW3A5101**	*424.00*
ATV61HU30M3...HU75M3		200	260	250	48		**VW3A5102**	*557.00*
		300	300	350	90		**VW3A5103**	*828.00*
ATV61HD11M3X...HD22M3X		150	300	350	90		**VW3A5103**	*828.00*
ATV61HD30M3X…HD45M3X		150	300	430	215	3	**VW3A5104**	*1,202.00*
ATV61HD55M3X, HD75M3X		150	300	475	314	3	**VW3A5105**	*1,963.00*
ATV61HD90M3X		250	300	530	481	3	**VW3A5106**	*3,788.00*
3-phase supply voltage: 380…480 V 50/60 Hz								
ATV61H075N4…HU40N4		75	90	150	12		**VW3A5101**	*424.00*
ATV61HU55N4…HD18N4		85	95	250	48		**VW3A5102**	*557.00*
ATV61HD22N4…HD30N4		140	170	350	90		**VW3A5103**	*828.00*
ATV61HD37N4		97	166	350	90		**VW3A5103**	*828.00*
ATV61HD45N4…HD75N4		150	300	430	215	3	**VW3A5104**	*1,202.00*
ATV61HD90N4		200	300	430	215	3	**VW3A5104**	*1,202.00*
ATV61HC11N4, HC13N4		150	250	475	314	3	**VW3A5105**	*1,963.00*
ATV61HC16N4		250	300	530	481	3	**VW3A5106**	*3,788.00*
ATV61HC22N4		250	300	530	481	3	**VW3A5106**	*3,788.00*
ATV61HC25N4		200	250	598	759	3	**VW3A5107**	*5,966.00*
ATV61HC31N4		200	250	598	759	3	**VW3A5107**	*5,966.00*
ATV61HC40N4	Motor P 355 kW	200	250	598	759	3	**VW3A5107**	*5,966.00*
	Motor P 400 kW	250	300	682	1188	3	**VW3A5108**	*6,623.00*
ATV61HC50N4		250	300	682	1188	3	**VW3A5108**	*6,623.00*
ATV61HC63N4		250	300	682	1188	3	**VW3A5108**	*6,623.00*

(1) Max. length given for a switching frequency of 2.5 or 4 kHz depending on the rating of the fan.

Life Is On Schneider Electric

Altivar 71
Variable speed drives
Supply voltage 380...480V 50/60 Hz

SEMI F47 Certified

unit price (excl. GST in Singapore Dollars)

IP 20 drives

Three phase supply voltage: 380…480 V 50/60 Hz

ATV71HU22N4

ATV71HC13N4

Motor		Line supply				Altivar 71			Reference	Price (S$)
Power indicated on plate *(1)*		Line current *(2)*		Apparent power	Maximum prospective line Isc	Max. continuous current *(1)*	Max. transient current for			
		380V	480V	380V		380V	60 s	2 s		
kW	HP	A	A	kVA	kA	A	A	A		
with a remote graphic display terminal as standard. *(3)(4)*										
0.75	1	3.7	3	2.4	5	2.3	3.5	3.8	**ATV71H075N4**	*1,521.00*
1.5	2	5.8	5.3	3.8	5	4.1	6.2	6.8	**ATV71HU15N4**	*1,695.00*
2.2	3	8.2	7.1	5.4	5	5.8	8.7	9.6	**ATV71HU22N4**	*1,848.00*
3		10.7	9	7	5	7.8	11.7	12.9	**ATV71HU30N4**	*2,130.00*
4	5	14.1	11.5	9.3	5	10.5	15.8	17.3	**ATV71HU40N4**	*2,701.00*
5.5	7.5	20.3	17	13.4	22	14.3	21.5	23.6	**ATV71HU55N4**	*3,252.00*
7.5	10	27	22.2	17.8	22	17.6	26.4	29	**ATV71HU75N4**	*3,685.00*
11	15	36.6	30	24.1	22	27.7	41.6	45.7	**ATV71HD11N4**	*4,509.00*
15	20	48	39	31.6	22	33	49.5	54.5	**ATV71HD15N4**	*5,712.00*
18.5	25	45.5	37.5	29.9	22	41	61.5	67.7	**ATV71HD18N4**	*6,399.00*
22	30	50	42	32.9	22	48	72	79.2	**ATV71HD22N4**	*6,859.00*
30	40	66	56	43.4	22	66	99	109	**ATV71HD30N4**	*7,731.00*
37	50	84	69	55.3	22	79	118.5	130	**ATV71HD37N4**	*9,470.00*
45	60	104	85	68.5	22	94	141	155	**ATV71HD45N4**	*11,368.00*
55	75	120	101	79	22	116	174	191	**ATV71HD55N4**	*13,268.00*
75	100	167	137	109.9	22	160	240	264	**ATV71HD75N4**	*17,003.00*
A reinforced version for operation in specific environmental *(5)(6)* Drives will feature a remote graphic display terminal.										
90	125	166	134	109.3	35	179	269	295	**ATV71HD90N4**	*18,942.00*
110	150	202	163	133	35	215	323	355	**ATV71HC11N4**	*26,649.00*
132	200	239	192	157.3	35	259	388	427	**ATV71HC13N4**	*32,407.00*
160	250	289	233	190.2	50	314	471	518	**ATV71HC16N4**	*36,857.00*
200	300	357	286	235	50	387	580	638	**ATV71HC20N4**	*41,310.00*
220	350	396	320	260.6	50	427	640	704	**ATV71HC25N4**	*47,382.00*
250	400	444	357	292.2	50	481	721	793		
280	450	494	396	325.1	50	550	825	907	**ATV71HC28N4**	*53,653.00*
315	500	555	444	365.3	50	616	924	1016	**ATV71HC31N4**	*59,383.00*
355		637	512	419.3	50	671	1006	1107	**ATV71HC40N4**	*71,444.00*
400	600	709	568	466.6	50	759	1138	1252		
500	700	876	699	576.6	50	941	1411	1552	**ATV71HC50N4**	*92,122.00*

(1) These values are given for a nominal switching frequency of 4 kHz up to ATV71HD30N4 or 2.5 kHz for ATV71HD37N4…HC50N4 drives for use in continuous operation.
The switching frequency is adjustable from 1…16 kHz up to 71HD37N4…HC50N4 and from 2.5...8 kHz for ATV71HD90N4…ATV71HC50N4 drives.
Above 2.5 or 4 kHz, depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current, (see derating curves).

(2) Typical value for the indicated motor power and for the maximum prospective line Isc.

(3) ATV71HD90N4…HC50N4 drives are supplied as standard in a reinforced version for operation in specific environmental conditions (see the environmental conditions).
To order the ATV71H075N4...HD75N4 drives in a reinforced version, add S337 at the end of the reference.
For example, ATV 71H075N4 becomes ATV 71H075N4S337. Consult us for price.
If a reinforced version of the drive is supplied for specific environmental conditions, it will feature a remote graphic display terminal.

(4) All drives come with a remote graphic display terminal as standard. To order an ATV71H075N4...ATV71HD75N4 drive without a graphic display terminal, add a Z at the end of the reference. The drive will then come equipped with an integrated 7-segment display terminal. For example, ATV71H075N4 without a graphic display terminal becomes ATV71H075N4Z.

(5) Drive supplied as standard with a DC choke, which must be used when connecting the drive to the 3-phase supply.
For connections to the DC bus, the drive can be ordered without a DC choke by adding a D at the end of the reference.
For example, ATV 71HD90N4 becomes ATV 71HD90N4D.

(6) Drive supplied without plate for EMC mounting.

A choke appropriate for the drive rating is supplied in a UL Type 1, IP 21 or IP 31 kit, which must be ordered separately:
For ATV71H075N4…HD75N4, order the kit for IP21 conformity. For ATV71HD90N4…HC50N4, order the kit for IP31 conformity.

***Note:** Consult the summary tables of possible drive, option and accessory combinations, see soft starter and variable speed drives catalogue.*

Variable speed drives
Altivar 61 and 71
Accessories: dialogue, encoder interface cards, I/O extension cards,

unit price (excl. GST in Singapore Dollars)

Remote graphic display terminal

(this display terminal can be supplied with the drive or ordered separately)

Description	N	Reference	Price (S$)
Remote graphic display terminal	1	**VW3A1101**	*487.00*

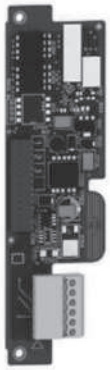
Graphic display terminal accessories

Description	N	Length m	Degree of protection	Reference	Price (S$)
Remote mounting kit *(1)*	**2**		IP 54	**VW3A1102**	*128.00*
Door *(2)*	**3**		IP 65	**VW3A1103**	*56.00*
Remote cables	**4**	1		**VW3A1104R10**	*33.00*
Equipped with 2 RJ45	**4**	3		**VW3A1104R30**	*46.00*
connectors	**4**	5		**VW3A1104R50**	*56.00*
	4	10		**VW3A1104R100**	*67.00*
RJ45 female/female adaptor	**5**			**VW3A1105**	*54.00*

(1) In this case, use a VW3 A1 104 R●● remote connecting cable, which must be ordered separately (see above).

(2) To be mounted on remote mounting kit VW3 A1 102 (for mounting on an enclosure door), which must be ordered separately (see above).

Encoder interface cards (3)



VW3A3401

Description	Voltage V	Reference	Price (S$)
Encoder interface cards with RS 422	5	**VW3A3401**	*312.00*
compatible differential outputs	15	**VW3A3402**	*295.00*
Encoder interface cards with open collector	12	**VW3A3403**	*295.00*
outputs	15	**VW3A3404**	*295.00*
Encoder interface cards with push-pull	12	**VW3A3405**	*295.00*
outputs	15	**VW3A3406**	*295.00*
	24	**VW3A3407**	*312.00*

(3) The Altivar 61 and 71 cannot support more than one encoder interface card. Please refer to the compatibility tables summarizing the possible combinations for drives, options and accessories from catalogue.

I/O extension cards *(4)*

VW3A3201

Description	Reference	Price (S$)
Logic I/O card	**VW3A3201**	*245.00*
Extended I/O card	**VW3A3202**	*373.00*

(4) The Altivar 71 cannot support more than one I/O card with the same reference. Please refer to the compatibility tables summarizing the possible combinations for drives, options and accessories from catalogue.

Life Is On Schneider Electric

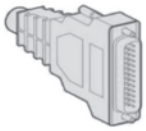
Variable speed drives
Altivar 61 and 71
Controller Inside programmable cards

unit price (excl. GST in Singapore Dollars)

Controller Inside programmable card

Card

Description	Reference	Price (S$)
Controller Inside programmable card *(1)* equipped with one 9-way male SUB-D connector	**VW3A3501**	*812.00*



VW3CANA71

Connection accessories

Description	Reference	Price (S$)
CANopen adapter to be mounted on the RJ45 socket in the drive control terminals. The adaptor provides a 9-way male SUB-D connector conforming to the CANopen standard (CIA DRP 303-1).	**VW3CANA71**	*26.00*
CANopen connector (2) 9-way female SUB-D with line terminator that can be disabled	**TSXCANKCDF180T**	*98.00*

TSXCANKCDF180T

PS 1131 software workshop

Description	Reference	Price (S$)
Connection kit for PC serial port containing various accessories including: ■ 1 x 3 m cable with 2 RJ 45 connectors ■ 1 RS 232/RS 485 converter with one 9-way female SUB-D connector and one RJ45 connector	**VW3A8106**	*179.00*

(1) The Altivar 71 drive can only take one Controller Inside programmable card. Consult the summary tables of possible drive, option and accessory combinations (from Catalogue).

(2) On drives ATV 71H●●●M3, ATV 71HD11M3X, HD15M3X, ATV 71H075N4... HD18N4, this connector can be replaced by the TSX CAN KCDF 180T connector.

Variable speed drives
Altivar 61 and 71
Communication buses and networks

unit price (excl. GST in Singapore Dollars)

Communication cards *(1)*

VW3A3307

Description		Reference	Price (S$)
Ethernet *(2)*	To be connected on a Hub or Switch using a 490 NTW 000●● cable.	**VW3A3310D**	*533.00*
Modbus/ Uni-Telway	To be connected on TSX SCA 62 subscriber socket using the VW3 A8 306 2 cable.	**VW3A3303**	*518.00*
Standard Fipio	To be connected using a TSX FP ACC 12 connector with a TSX FP CC●● extension cable or a TSX FP CA●● drop cable. This card should be used for new installations. It is also used to replace an ATV 58 or ATV 58F drive equipped with a VW3 A58 311 card by an ATV 71 drive. To replace an ATV 58 or ATV 58F drive equipped with a VW3 58 301 card by an ATV 71 drive, use the VW3 A3 301 card (substitution).	**VW3A3311**	*482.00*
Substitution Fipio (ATV71 only)	This card is also used to replace an ATV 58 or ATV 58F equipped with a VW3 A58 301 card by an ATV 71. To replace an ATV 58 or ATV 58F drive equipped with a VW3 A58 311 card by an ATV 71 drive, use the VW3 A3 311 card (standard).	**VW3A3301**	*518.00*
Modbus Plus	To be connected to the 990 NAD 230 00 IP 20 Modbus Plus tap using a 990 NAD 219●0 cable.	**VW3A3302**	*585.00*
Profibus DP	To be connected using a 490 NAD 911●● connector to Profibus cable TSX PBS CA●00 *(3)*	**VW3A3307**	*543.00*
DeviceNet	The card is equipped with removable screw terminals	**VW3A3309**	*518.00*
INTERBUS	To be connected using cables for installation remote bus, reference 170 MCI ●●●00 *(3)*	**VW3A3304**	*518.00*

(1) The Altivar 61 and 71 drive can only take one communication card. Consult the summary tables of possible drive, option and accessory combinations (see catalogue).

(2) Please consult our specialist "Ethernet TCP/IP Transparent Factory" catalogue.

(3) Please consult our specialist "Modicon Premium Automation Platform - Unity & PL7" catalogue.

Life Is On Schneider Electric

Variable speed drives
Altivar 71
Accessories: braking resistors and line chokes
Supply voltage: 380…480V 50/60Hz

unit price (excl. GST in Singapore Dollars)

Braking resistors

VW3A7702

For drives	Ohmic value at 20°C	Average power available at 50°C *(1)*	Reference	Price (S$)
	Ω	kW		
ATV71H075N4…HU40N4	100	0.05	**VW3A7701**	*342.00*
ATV71HU55N4, HU75N4	60	0.1	**VW3A7702**	*402.00*
ATV71HD11N4, HD15N4	28	0.2	**VW3A7703**	*606.00*
ATV71HD18N4…HD30N4	15	1	**VW3A7704**	*1,137.00*
ATV71HD37N4	10	1	**VW3A7705**	*1,070.00*
ATV71HD45N4…HD75N4	5	1	**VW3A7707**	*1,148.00*
ATV71HD90N4	2.75	25	**VW3A7710**	*6,120.00*
ATV71HC11N4, HC13N4	2.1	37	**VW3A7711**	*6,885.00*
ATV71HC16N4	2.1	44	**VW3A7712**	*8,109.00*
ATV71HC20N4	1.05	56	**VW3A7715**	*9,486.00*
ATV71HC25N4, HC28N4	1.05	75	**VW3A7716**	*11,475.00*
ATV71HC31N4, HC40N4	0.7	112	**VW3A7717**	*20,721.00*
ATV71HC50N4	0.7	150	**VW3A7718**	*26,112.00*

(1) Operating factor for resistors: The value of the average power that can be dissipated at 50°C from the resistor into the casing is determined for an operating factor during braking that corresponds to the majority of normal applications.

For VW3 A7 701…709:
- 2 s braking with 0.6 Tn braking torque for a 40 s cycle
- 0.8 s braking with 1.5 Tn braking torque for a 40 s cycle

For VW3 A7 710…718:
- 10 s braking with 2 Tn braking torque for a 30 s cycle

Line chokes

VW3A4554

For drives	Line supply Line Isc	Line choke Inductance value	Nominal current	Saturation current	Loss	Qty per drive	Reference	Price (S$)
	kA	mH	A	A	W			
ATV71H075N4, HU15N4 ATV71P075N4Z, PU15N4Z	5	10	4		45	1	**VW3A4551**	*415.00*
ATV71HU22N4…HU40N4 ATV71PU22N4Z…PU40N4Z	5	4	10		65	1	**VW3A4552**	*548.00*
ATV71HU55N4, HU75N4 ATV71PU55N4Z, PU75N4Z	22	2	16		75	1	**VW3A4553**	*631.00*
ATV71HD11N4, HD15N4	22	1	30		90	1	**VW3A4554**	*707.00*
ATV71HD18N4, HD22N4	22	0.5	60		94	1	**VW3A4555**	*1,041.00*
ATV71HD30N4…HD55N4	22	0.3	100		260	1	**VW3A4556**	*1,291.00*
ATV71HD75N4	22	0.155	184		220	1	**VW3A4558**	*1,764.00*
ATV71HD90N4, HC11N4	35	0.12	222	445	230	1	**VW3A4559**	*1,846.00*
ATV71HC13N4	35	0.098	264	530	245	1	**VW3A4560**	*2,075.00*
ATV71HC16N4	50	0.066	344	685	258	1	**VW3A4561**	*2,233.00*
ATV71HC20N4	50	0.06	450	574	335	1	**VW3A4569**	*2,714.00*
ATV71HC25N4, HC28N4	50	0.038	613	1150	307	1	**VW3A4564**	*3,289.00*
ATV71HC31N4	50	0.032	720	1352	428	1	**VW3A4565**	*3,865.00*
ATV71HC40N4	50	0.06	450	849	335	2	**VW3A4569**	*2,714.00*
ATV71HC50N4	50	0.038	613	1150	307	2	**VW3A4564**	*3,289.00*

Variable speed drives

Altivar 71: reduction of current harmonics

Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

Motor rating		For ATV61 drives	Line Supply Line Current	Filter In, I *(2)*	Filter In, O	Quantity per Drive	Reference	Price (S$)
kW	HP		A	A	A			
THDI 16% *(1)*								
0.75	1	ATV 71H075N4 ATV 71P075N4Z	2.5	6	6.2	1	**VW3A46101**	*2,280.00*
1.5	2	ATV 71HU15N4 ATV 71PU15N4Z	3.6	6	6.2	1	**VW3A46101**	*2,280.00*
2.2	3	ATV 71HU22N4 ATV 71PU22N4Z	5	6	6.2	1	**VW3A46101**	*2,280.00*
3	-	ATV 71HU30N4 ATV 71PU30N4Z	6	6	6.2	1	**VW3A46101**	*2,280.00*
4	5	ATV 71HU40N4 ATV 71PU40N4Z	7.8	10	10.4	1	**VW3A46102**	*2,774.00*
5.5	7.5	ATV 71HU55N4 ATV 71PU55N4Z	10	10	10.4	1	**VW3A46102**	*2,774.00*
7.5	10	ATV 71HU75N4 ATV 71PU75N4Z	14	14	14.5	1	**VW3A46103**	*3,231.00*
11	15	ATV 71HD11N4 ATV 71PD11N4Z	19	22	23	1	**VW3A46104**	*3,689.00*
15	20	ATV 71HD15N4	26	29	30	1	**VW3A46105**	*4,125.00*
18	25	ATV 71HD18N4	32	35	36.5	1	**VW3A46106**	*4,752.00*
22	30	ATV 71HD22N4	38	43	44.5	1	**VW3A46107**	*4,945.00*
30	40	ATV 71HD30N4	52	58	60	1	**VW3A46108**	*6,395.00*
37	50	ATV 71HD37N4	63	72	75	1	**VW3A46109**	*7,841.00*
45	60	ATV 71HD45N4	77	86	89.5	1	**VW3A46110**	*8,456.00*
55	75	ATV 71HD55N4	91	101	105	1	**VW3A46111**	*9,060.00*
75	100	ATV 71HD75N4	126	144	150	1	**VW3A46112**	*10,494.00*
THDI 10%								
90	125	ATV 71HD90N4	149	144	150	1	**VW3A46112**	*10,494.00*
110	150	ATV 71HC11N4	182	180	187	1	**VW3A46113**	*13,043.00*
132	200	ATV 71HC13N4	218	217	225	1	**VW3A46114**	*14,962.00*
160	250	ATV 71HC16N4	287	304	316	1	**VW3A46116**	*17,535.00*
200	300	ATV 71HC20N4	353.5	380	395	1	**VW3A46118**	*22,943.00*
220	350	ATV 71HC25N4	364	380	395	1	**VW3A46118**	*22,943.00*
250	400	ATV 71HC25N4	415	433	450	1	**VW3A46119**	*25,575.00*
280	450	ATV 71HC28N4	485	252	262	2	**VW3A46115**	*16,748.00*
315	500	ATV 71HC31N4	543	304	316	2	**VW3A46116**	*17,535.00*
355	-	ATV 71HC40N4	588	304	316	2	**VW3A46116**	*17,535.00*
400	600	ATV 71HC40N4	664	325	338	2	**VW3A46117**	*20,193.00*
500	700	ATV 71HC50N4	840	433	450	2	**VW3A46119**	*25,575.00*

(1) By adding a DC choke (see in catalogue) to ATV 71H075N4…D75N4 and ATV 71P.N4Z drives, a THD ≤ 10% is obtained. This DC choke is supplied as standard with ATV 71HD90N4…HC50N4 drives. These reduced current harmonics are obtained, only for the nominal fi lter current, on condition that the THDU is < 2% and the RSCE > 66%.

(2) In: nominal filter current.

Life Is On Schneider Electric

Variable speed drives

Altivar 71: reduction of current harmonics

Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

Motor rating		For ATV61 drives	Line Supply Line Current	Filter In, I *(2)*	Filter In, O	Quantity per Drive	Reference	Price (S$)
kW	HP		A	A	A			
THDI 10% *(1)*								
0.75	1	ATV 71H075N4 ATV 71P075N4Z	2.5	6	6.2	1	**VW3A46120**	*3,267.00*
1.5	2	ATV 71HU15N4 ATV 71PU15N4Z	3.6	6	6.2	1	**VW3A46120**	*3,267.00*
2.2	3	ATV 71HU22N4 ATV 71PU22N4Z	5	6	6.2	1	**VW3A46120**	*3,267.00*
3	-	ATV 71HU30N4 ATV 71PU30N4Z	6	6	6.2	1	**VW3A46120**	*3,267.00*
4	5	ATV 71HU40N4 ATV 71PU40N4Z	7.8	10	10.4	1	**VW3A46121**	*3,914.00*
5.5	7.5	ATV 71HU55N4 ATV 71PU55N4Z	10	10	10.4	1	**VW3A46121**	*3,914.00*
7.5	10	ATV 71HU75N4 ATV 71PU75N4Z	14	14	14.5	1	**VW3A46122**	*4,280.00*
11	15	ATV 71HD11N4 ATV 71PD11N4Z	19	22	23	1	**VW3A46123**	*4,646.00*
15	20	ATV 71HD15N4	26	29	30	1	**VW3A46124**	*5,369.00*
18	25	ATV 71HD18N4	32	35	36.5	1	**VW3A46125**	*6,117.00*
22	30	ATV 71HD22N4	38	43	44.5	1	**VW3A46126**	*7,318.00*
30	40	ATV 71HD30N4	52	58	60	1	**VW3A46127**	*8,443.00*
37	50	ATV 71HD37N4	63	72	75	1	**VW3A46128**	*10,410.00*
45	60	ATV 71HD45N4	77	86	89.5	1	**VW3A46129**	*11,195.00*
55	75	ATV 71HD55N4	91	101	105	1	**VW3A46130**	*12,738.00*
75	100	ATV 71HD75N4	126	144	150	1	**VW3A46131**	*15,007.00*
THDI 5%								
90	125	ATV 71HD90N4	149	144	150	1	**VW3A46131**	*15,007.00*
110	150	ATV 71HC11N4	182	180	187	1	**VW3A46132**	*18,290.00*
132	200	ATV 71HC13N4	218	217	225	1	**VW3A46133**	*20,547.00*
160	250	ATV 71HC16N4	287	304	316	1	**VW3A46135**	*24,077.00*
200	300	ATV 71HC20N4	353.5	380	395	1	**VW3A46137**	*33,512.00*
220	350	ATV 71HC25N4	364	380	395	1	**VW3A46137**	*33,512.00*
250	400	ATV 71HC25N4	415	433	450	1	**VW3A46138**	*37,769.00*
280	450	ATV 71HC28N4	485	252	262	2	**VW3A46134**	*22,311.00*
315	500	ATV 71HC31N4	543	304	316	2	**VW3A46135**	*24,077.00*
355	-	ATV 71HC40N4	588	304	316	2	**VW3A46135**	*24,077.00*
400	600	ATV 71HC40N4	664	325	338	2	**VW3A46136**	*29,639.00*
500	700	ATV 71HC50N4	840	433	450	2	**VW3A46138**	*37,769.00*

(1) By adding a DC choke (see in catalogue) to ATV 71H075N4…D75N4 and ATV 71P.N4Z drives, a THD ≤ 10% is obtained. This DC choke is supplied as standard with ATV 71HD90N4…HC50N4 drives. These reduced current harmonics are obtained, only for the nominal fi lter current, on condition that the THDU is < 2% and the RSCE > 66%.

(2) In: nominal filter current.

Variable speed drives

Altivar 71: output filters

Accessories: motor chokes

unit price (excl. GST in Singapore Dollars)

Motor chokes

3-phase supply voltage: 380…480 V 50/60 Hz

VW3A5104

For drives	Maximum motor cable length *(1)*		Loss	Nominal current	Reference	Price (S$)
	Shielded	Unshielded				
	m	m	W	A		
ATV71H075N4…HU40N4	75	90	150	12	**VW3A5101**	*424.00*
ATV71P075N4…PU40N4Z	160	200	350	90	**VW3A5103**	*828.00*
ATV71HU55N4…HD18N4	85	95	250	48	**VW3A5102**	*557.00*
ATV71PU55N4…PD18N4	200	300	430	3 x 215	**VW3A5104**	*1,202.00*
ATV71HD22N4…HD30N4	140	170	350	90	**VW3A5103**	*828.00*
ATV71HD37N4	97	166	350	90	**VW3A5103**	*828.00*
ATV71HD45N4…HD75N4	150	300	430	3 x 215	**VW3A5104**	*1,202.00*
ATV71HD90N4	200	300	430	3 x 215	**VW3A5104**	*1,202.00*
ATV71HC11N4, HC13N4	150	250	475	3 x 314	**VW3A5105**	*1,963.00*
ATV71HC16N4, HC20N4	250	300	530	3 x 481	**VW3A5106**	*3,788.00*
ATV71HC25N4 Motor P 220 kW	250	300	530	3 x 481	**VW3A5106**	*3,788.00*
Motor P 250 kW	200	250	598	3 x 759	**VW3A5107**	*5,966.00*
ATV71HC28N4, HC31N4	200	250	598	3 x 759	**VW3A5107**	*5,966.00*
ATV71HC40N4 Motor P 355 kW	200	250	598	3 x 759	**VW3A5107**	*5,966.00*
Motor P 400 kW	250	300	682	3 x 1188	**VW3A5108**	*6,623.00*
ATV71HC50N4	250	300	682	3 x 1188	**VW3A5108**	*6,623.00*

(1) Max. length given for a switching frequency of 2.5 or 4 kHz depending on the rating of the fan.

Life Is On Schneider Electric

SoMove Setup software

unit price (excl. GST in Singapore Dollars)

SoMove Setup software workshop

Description	Reference	Price (S$)
SoMove Lite setup software Includes: ■ SoMove setup software for PC in English, French, German, Italian, Spanish and Chinese ■ DTMs (Device Type Managers) and technical documentation for variable speed drives, starters and servo motors	*(1)*	-
USB/RJ45 cable Used to connect a PC to the device. This cable is 2.5 m long and has a USB connector (PC end) and an RJ45 connector (device end).	**TCSMCNAM3M002P**	*82.00*
Modbus/Uni-Telway-Bluetooth® adaptor Used to enable any non-Bluetooth® device to communicate via Bluetooth® wireless link (2). Includes: ■ Bluetooth® adaptor (range 20 m, class 2) with an RJ45 connector ■ For SoMove: 1 x 0.1 m cordset with 2 x RJ45 connectors ■ For TwidoSuite: 1 x 0.1 m cordset with 1 RJ45 connector and 1 mini DIN connector	**TCSWAAC13FB**	*204.00*
USB-Bluetooth® adaptor for PC Used to enable any non-Bluetooth® PC to communicate via Bluetooth® wireless link (3). It connects to a USB port on the PC.	**VW3A8115**	*267.00*

(1) Available on website www.schneider-electric.com.

(2) Required for the following devices:

- ATV 12, ATV 312, ATV 31, ATV 61 and ATV 71 drives

- ATS 22 starters

- TeSys U starter-controllers

- TeSys T motor management system

- Lexium 32 servo drives

(3) Check the manufacturer's specification.

Altivar Process ATV600

Variable speed drives

Supply voltage 380...480V 50/60 Hz

New!

unit price (excl. GST in Singapore Dollars)

IP 21 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (6)

ATV630U07N4

ATV630D15N4

ATV630D30N4

Motor			Line supply						Reference		Price (S$)
Power indicated on rating plate ND: Normal duty *(3)* HD: Heavy duty *(4)*			Line current *(2)*		Apparent power	Max. prospective line Isc	Max. continuous current	Max. transient current for 60 s	*(1)*		
	kW	HP	380 V A	480 V A	380 V kVA	kA	A	A			
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	**ATV630U07N4**		*1,385.00*
HD	*0.37*	*0.5*	*0.9*	*0.8*	*0.7*	*50*	*1.5*	*2.3*			
ND	1.5	2	3	2.6	2.2	50	4	4.4	**ATV630U15N4**		*1,557.00*
HD	*0.75*	*1*	*1.7*	*1.5*	*1.2*	*50*	*2.2*	*3.3*			
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	**ATV630U22N4**		*1,695.00*
HD	*1.5*	*2*	*3.1*	*2.9*	*2.4*	*50*	*4.0*	*6.0*			
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	**ATV630U30N4**		*1,910.00*
HD	*2.2*	*3*	*4.5*	*4*	*3.3*	*50*	*5.6*	*8.4*			
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	**ATV630U40N4**		*2,279.00*
HD	*3*	-	*6*	*5.4*	*4.5*	*50*	*7.2*	*10.8*			
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	**ATV630U55N4**		*2,601.00*
HD	*4*	*5*	*8*	*7.2*	*6.0*	*50*	*9.3*	*14.0*			
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	**ATV630U75N4**		*3,052.00*
HD	*5.5*	*7.5*	*10.5*	*9.2*	*7.6*	*50*	*12.7*	*19.1*			
ND	11	15	19.8	17	14.1	50	23.5	25.9	**ATV630D11N4**		*3,420.00*
HD	*7.5*	*10*	*14.1*	*12.5*	*10.4*	*50*	*16.5*	*24.8*			
ND	15	20	27	23.3	19.4	50	31.7	34.9	**ATV630D15N4**		*4,076.00*
HD	*11*	*15*	*20.6*	*18.1*	*15.0*	*50*	*23.5*	*35.3*			
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	**ATV630D18N4**		*4,674.00*
HD	*15*	*20*	*27.7*	*24.4*	*20.3*	*50*	*31.7*	*47.6*			
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	**ATV630D22N4**		*5,170.00*
HD	*18.5*	*25*	*34.1*	*29.9*	*24.9*	*50*	*39.2*	*58.8*			
ND	30	40	53.5	45.9	38.2	50	61.5	67.7	**ATV630D30N4**		*6,133.00*
HD	*22*	*30*	*40.5*	*35.8*	*29.8*	*50*	*46.3*	*69.5*			
ND	37	50	66.2	57.3	47.6	50	74.5	82	**ATV630D37N4**		*7,335.00*
HD	*30*	*40*	*54.8*	*48.3*	*40.2*	*50*	*61.5*	*92.3*			
ND	45	60	79.8	69.1	57.4	50	94	96.8	**ATV630D45N4**		*8,730.00*
HD	*37*	*50*	*67.1*	*59.0*	*49.1*	*50*	*74.5*	*111.8*			
ND	55	75	97.2	84.2	70	50	106	116.6	**ATV630D55N4**		*10,328.00*
HD	*45*	*60*	*81.4*	*71.8*	*59.7*	*50*	*88*	*132.0*			
ND	75	100	131.3	112.7	93.7	50	145	159.5	**ATV630D75N4**		*12,262.00*
HD	*55*	*75*	*98.9*	*86.9*	*72.2*	*50*	*106*	*159.0*			
ND	90	125	156.2	135.8	112.9	50	173	190.3	**ATV630D90N4**		*14,717.00*
HD	*75*	*100*	*134.3*	*118.1*	*98.2*	*50*	*145*	*217.5*			
ND	110	150	201	135	121.8	50	211	232.1	**ATV630C11N4**	*(5)*	*17,434.00*
HD	*90*	*125*	*170*	*143*	*102.6*	*50*	*137.0*	*259.5*			
ND	132	200	237	213	161.4	50	250	271	**ATV630C13N4**	*(5)*	*20,299.00*
HD	*110*	*150*	*201*	*165*	*121.8*	*50*	*180.0*	*270.0*			
ND	160	250	284	262	201.3	50	302	332.2	**ATV630C16N4**	*(5)*	*23,396.00*
HD	*132*	*200*	*237*	*213*	*161.4*	*50*	*240.0*	*360.0*			

(1) These values are given for a nominal switching frequency of 4 kHz, settable from 2 to 12 kHz up to ATV630D45N4, or 2.5 kHz, settable from 2 to 8 kHz for ATV630D55N4...C16N4 and ATV630C11N4F...C16N4F for use in continuous operation.
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see the derating curves on our website www.schneider-electric.com).
(2) Typical value for the indicated motor power and for the maximum prospective line Isc.
(3) Values given for applications requiring a slight overload (up to 110%).
(4) Values given for applications requiring a significant overload (up to 150%).
(5) IP21 / UL Type 1 with additionnal option VW3A9704.
6) C2 EMC filter for ATV630U07N4 to ATV630D45N4, C3 EMC filter above ATV630D45N4.

Life Is On Schneider Electric

Altivar Process ATV600
Variable speed drives
Supply voltage 380...480V 50/60 Hz

New!

unit price (excl. GST in Singapore Dollars)

IP 55 drives
Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (6)

ATV650D15N4

ATV650D30N4

ATV650D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate *(2)*			Line current *(3)*		Apparent power	Max. prospective line	Max. continuous current	Max. transient current	*(1)*	
ND: Normal duty *(4)* HD: Heavy duty *(5)*			380 V	480 V	380 V	Isc	*(2)*	for 60 s		
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	**ATV650U07N4**	*1,692.00*
HD	*0.37*	*0.5*	*0.9*	*0.8*	*0.7*	*50*	*1.5*	*2.3*		
ND	1.5	2	3	2.6	2.2	50	4	4.4	**ATV650U15N4**	*1,830.00*
HD	*0.75*	*1*	*1.7*	*1.5*	*1.2*	*50*	*2.2*	*3.3*		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	**ATV650U22N4**	*2,007.00*
HD	*1.5*	*2*	*3.1*	*2.9*	*2.4*	*50*	*4.0*	*6.0*		
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	**ATV650U30N4**	*2,277.00*
HD	*2.2*	*3*	*4.5*	*4*	*3.3*	*50*	*5.6*	*8.4*		
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	**ATV650U40N4**	*2,505.00*
HD	*3*	*-*	*6*	*5.4*	*4.5*	*50*	*7.2*	*10.8*		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	**ATV650U55N4**	*2,751.00*
HD	*4*	*5*	*8*	*7.2*	*6.0*	*50*	*9.3*	*14.0*		
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	**ATV650U75N4**	*3,241.00*
HD	*5.5*	*7.5*	*10.5*	*9.2*	*7.6*	*50*	*12.7*	*19.1*		
ND	11	15	19.8	17	14.1	50	23.5	25.9	**ATV650D11N4**	*3,796.00*
HD	*7.5*	*10*	*14.1*	*12.5*	*10.4*	*50*	*16.5*	*24.8*		
ND	15	20	27	23.3	19.4	50	31.7	34.9	**ATV650D15N4**	*4,403.00*
HD	*11*	*15*	*20.6*	*18.1*	*15.0*	*50*	*23.5*	*35.3*		
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	**ATV650D18N4**	*5,194.00*
HD	*15*	*20*	*27.7*	*24.4*	*20.3*	*50*	*31.7*	*47.6*		
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	**ATV650D22N4**	*5,725.00*
HD	*18.5*	*25*	*34.1*	*29.9*	*24.9*	*50*	*39.2*	*58.8*		
ND	30	40	53.5	45.9	38.2	50	61.5	67.7	**ATV650D30N4**	*6,790.00*
HD	*22*	*30*	*40.5*	*35.8*	*29.8*	*50*	*46.3*	*69.5*		
ND	37	50	66.2	57.3	47.6	50	74.5	82	**ATV650D37N4**	*8,120.00*
HD	*30*	*40*	*54.8*	*48.3*	*40.2*	*50*	*61.5*	*92.3*		
ND	45	60	79.8	69.1	57.4	50	94	96.8	**ATV650D45N4**	*9,664.00*
HD	*37*	*50*	*67.1*	*59.0*	*49.1*	*50*	*74.5*	*111.8*		
ND	55	75	97.2	84.2	70	50	106	116.6	**ATV650D55N4**	*11,427.00*
HD	*45*	*60*	*81.4*	*71.8*	*59.7*	*50*	*88*	*132.0*		
ND	75	100	131.3	112.7	93.7	50	145	159.5	**ATV650D75N4**	*13,567.00*
HD	*55*	*75*	*98.9*	*86.9*	*72.2*	*50*	*106*	*159.0*		
ND	90	125	156.2	135.8	112.9	50	173	190.3	**ATV650D90N4**	*16,483.00*
HD	*75*	*100*	*134.3*	*118.1*	*98.2*	*50*	*145*	*217.5*		

(1) Supplied with cable gland.

(2) These values are given for a nominal switching frequency of 4 kHz, settable from 2 to 12 kHz up to ATV650D45N4/N4E, or 2.5 kHz, settable from 2 to 8 kHz for ATV650D55N4/N4E...D90N4/N4E for use in continuous operation.
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see the derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the maximum prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 110%).

(5) Values given for applications requiring a significant overload (up to 150%).

Altivar Process ATV900

Variable speed drives

Supply voltage 380...480V 50/60 Hz

New!

unit price (excl. GST in Singapore Dollars)

IP 21 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter *(1)*

ATV930D15N4

ATV930D30N4

ATV930D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate *(2)*			Line current *(3)*		Apparent power	Max. prospective line	Max. continuous current *(2)*	Max. transient current		
ND: Normal duty *(4)* HD: Heavy duty *(5)*			380 V	480 V	380 V	Isc		for 60 s		
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.6	**ATV930U07N4**	*1,596.00*
HD	*0.37*	*0.5*	*0.9*	*0.8*	*0.7*	*50*	*1.5*	*2.3*		
ND	1.5	2	3	2.6	2.2	50	4	4.8	**ATV930U15N4**	*1,756.00*
HD	*0.75*	*1*	*1.7*	*1.5*	*1.2*	*50*	*2.2*	*3.3*		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.7	**ATV930U22N4**	*1,915.00*
HD	*1.5*	*2*	*3.1*	*2.9*	*2.4*	*50*	*4.0*	*6.0*		
ND	3	–	5.8	5.1	4.2	50	7.2	8.6	**ATV930U30N4**	*2,158.00*
HD	*2.2*	*3*	*4.5*	*4*	*3.3*	*50*	*5.6*	*8.4*		
ND	4	5	7.6	6.7	5.6	50	9.3	11.2	**ATV930U40N4**	*2,330.00*
HD	*3*	-	*6*	*5.4*	*4.5*	*50*	*7.2*	*10.8*		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	15.2	**ATV930U55N4**	*2,668.00*
HD	*4*	*5*	*8*	*7.2*	*6.0*	*50*	*9.3*	*14.0*		
ND	7.5	10	13.8	11.9	9.9	50	16.5	19.8	**ATV930U75N4**	*3,188.00*
HD	*5.5*	*7.5*	*10.5*	*9.2*	*7.6*	*50*	*12.7*	*19.1*		
ND	11	15	19.8	17	14.1	50	23.5	28.2	**ATV930D11N4**	*3,921.00*
HD	*7.5*	*10*	*14.1*	*12.5*	*10.4*	*50*	*16.5*	*24.8*		
ND	15	20	27	23.3	19.4	50	31.7	38	**ATV930D15N4**	*4,785.00*
HD	*11*	*15*	*20.6*	*18.1*	*15.0*	*50*	*23.5*	*35.3*		
ND	18.5	25	33.4	28.9	24	50	39.2	47	**ATV930D18N4**	*5,961.00*
HD	*15*	*20*	*27.7*	*24.4*	*20.3*	*50*	*31.7*	*47.6*		
ND	22	30	39.6	34.4	28.6	50	46.3	55.6	**ATV930D22N4**	*6,849.00*
HD	*18.5*	*25*	*34.1*	*29.9*	*24.9*	*50*	*39.2*	*58.8*		
ND	30	40	53.5	45.9	38.2	50	61.5	73.8	**ATV930D30N4**	*8,624.00*
HD	*22*	*30*	*40.5*	*35.8*	*29.8*	*50*	*46.3*	*69.5*		
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	**ATV930D37N4**	*9,996.00*
HD	*30*	*40*	*54.8*	*48.3*	*40.2*	*50*	*61.5*	*92.3*		
ND	45	60	79.8	69.1	57.4	50	88	105.6	**ATV930D45N4**	*11,996.00*
HD	*37*	*50*	*67.1*	*59.0*	*49.1*	*50*	*74.5*	*111.8*		
ND	55	75	97.2	84.2	70	50	106	127.2	**ATV930D55N4**	*14,705.00*
HD	*45*	*60*	*81.4*	*71.8*	*59.7*	*50*	*88*	*132.0*		
ND	75	100	131.3	112.7	93.7	50	145	174	**ATV930D75N4**	*17,505.00*
HD	*55*	*75*	*98.9*	*86.9*	*72.2*	*50*	*106*	*159.0*		
ND	90	125	156.2	135.8	112.9	50	173	207.6	**ATV930D90N4**	*20,201.00*
HD	*75*	*100*	*134.3*	*118.1*	*98.2*	*50*	*145*	*217.5*		

*(1) Category C2 EMC filter for **ATV930U07N4...D45N4**. Category C3 EMC filter above **ATV930D45N4**.*

*(2) These values are given for an adjustable nominal switching frequency of 4 kHz for **ATV930U07N4...ATV930D45N4** or 2.5 kHz for **ATV930D55N4...D90N4**, for use in continuous operation.*
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

Life Is On Schneider Electric

Altivar Process ATV900

Variable speed drives

Supply voltage 380...480V 50/60 Hz

New!

unit price (excl. GST in Singapore Dollars)

IP 55 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter *(1)*

ATV950U15N4

ATV950U30N4

ATV950D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate *(2)*			Line current *(3)*		Apparent power	Max. prospective line Isc	Max. continuous current *(2)*	Max. transient current for 60 s		
ND: Normal duty *(4)*			380 V	480 V	380 V					
HD: Heavy duty *(5)*										
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.6	**ATV950U07N4**	*2,064.00*
HD	*0.37*	*0.5*	*0.9*	*0.8*	*0.7*	*50*	*1.5*	*2.3*		
ND	1.5	2	3	2.6	2.2	50	4	4.8	**ATV950U15N4**	*2,131.00*
HD	*0.75*	*1*	*1.7*	*1.5*	*1.2*	*50*	*2.2*	*3.3*		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.7	**ATV950U22N4**	*2,352.00*
HD	*1.5*	*2*	*3.1*	*2.9*	*2.4*	*50*	*4.0*	*6.0*		
ND	3	–	5.8	5.1	4.2	50	7.2	8.6	**ATV950U30N4**	*2,557.00*
HD	*2.2*	*3*	*4.5*	*4*	*3.3*	*50*	*5.6*	*8.4*		
ND	4	5	7.6	6.7	5.6	50	9.3	11.2	**ATV950U40N4**	*2,727.00*
HD	*3*	*-*	*6*	*5.4*	*4.5*	*50*	*7.2*	*10.8*		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	15.2	**ATV950U55N4**	*3,068.00*
HD	*4*	*5*	*8*	*7.2*	*6.0*	*50*	*9.3*	*14.0*		
ND	7.5	10	13.8	11.9	9.9	50	16.5	19.8	**ATV950U75N4**	*3,409.00*
HD	*5.5*	*7.5*	*10.5*	*9.2*	*7.6*	*50*	*12.7*	*19.1*		
ND	11	15	19.8	17	14.1	50	23.5	28.2	**ATV950D11N4**	*4,432.00*
HD	*7.5*	*10*	*14.1*	*12.5*	*10.4*	*50*	*16.5*	*24.8*		
ND	15	20	27	23.3	19.4	50	31.7	38	**ATV950D15N4**	*5,284.00*
HD	*11*	*15*	*20.6*	*18.1*	*15.0*	*50*	*23.5*	*35.3*		
ND	18.5	25	33.4	28.9	24	50	39.2	47	**ATV950D18N4**	*5,961.00*
HD	*15*	*20*	*27.7*	*24.4*	*20.3*	*50*	*31.7*	*47.6*		
ND	22	30	39.6	34.4	28.6	50	46.3	55.6	**ATV950D22N4**	*7,499.00*
HD	*18.5*	*25*	*34.1*	*29.9*	*24.9*	*50*	*39.2*	*58.8*		
ND	30	40	53.5	45.9	38.2	50	61.5	73.8	**ATV950D30N4**	*9,374.00*
HD	*22*	*30*	*40.5*	*35.8*	*29.8*	*50*	*46.3*	*69.5*		
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	**ATV950D37N4**	*10,226.00*
HD	*30*	*40*	*54.8*	*48.3*	*40.2*	*50*	*61.5*	*92.3*		
ND	45	60	79.8	69.1	57.4	50	88	105.6	**ATV950D45N4**	*12,783.00*
HD	*37*	*50*	*67.1*	*59.0*	*49.1*	*50*	*74.5*	*111.8*		
ND	55	75	97.2	84.2	70	50	106	127.2	**ATV950D55N4**	*15,339.00*
HD	*45*	*60*	*81.4*	*71.8*	*59.7*	*50*	*88*	*152*		
ND	75	100	131.3	112.7	93.7	50	145	174	**ATV950D75N4**	*19,089.00*
HD	*55*	*75*	*98.9*	*86.9*	*72.2*	*50*	*106*	*159.0*		
ND	90	125	156.2	135.8	112.9	50	173	207.6	**ATV950D90N4**	*22,156.00*
HD	*75*	*100*	*134.3*	*118.1*	*98.2*	*50*	*145*	*217.5*		

*(1) Category C2 EMC filter for **ATV950U07N4...D45N4**. Category C3 EMC filter above **ATV950D45N4**.*

*(2) These values are given for an adjustable nominal switching frequency of 4 kHz for **ATV950D45N4** or 2.5 kHz for **ATV950D55N4...D90N4**, for use in continuous operation.*

Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

Variable speed drives
Altivar Process
Accessories:
Display, I/O extension cards, EMC filters

New!

unit price (excl. GST in Singapore Dollars)

Graphic display terminal

Description	Reference	Price (S$)
Graphic display terminal	**VW3A1111**	*225.00*
(this display terminal can be supplied with the drive or ordered separately)		

Description	Length m	Degree of protection	Reference	Price (S$)
Remote mounting kit		IP 65	**VW3A1112**	*56.00*
Tightening tool			**ZB5AZ905**	*21.00*
Remote cables	1		**VW3A1104R10**	*33.00*
Equipped with 2 RJ45	3		**VW3A1104R30**	*46.00*
connectors	5		**VW3A1104R50**	*56.00*
	10		**VW3A1104R100**	*67.00*

I/O extension cards

VW3A3203

VW3A3203

Description	I/O type Logic Inputs	Logic Outputs	Analog Inputs	Relay Outputs	Reference	Price (S$)
Logic I/O card	6	2	2 *(2)*	-	**VW3A3203**	*373.00*
Relay output card	-	-	-	3 *(3)*	**VW3A3204**	*373.00*

(2) Differential analog inputs configurable via software as current (0-20 mA/4-20 mA) or probe (PTC, PT100, or 2-wire or 3-wire PT1000) inputs. When configured as PTC probe inputs, they must never be used to protect an ATEX motor in applications in explosive atmospheres. Please refer to the ATEX guide on our website www.schneider-electric.com.

(3) NO contacts

EtherNet/IP and Modbus TCP networks (*)

VW3A3720

Description	I/O type Logic Inputs	Logic Outputs	Analog Inputs	Relay Outputs	Reference	Price (S$)
Logic I/O card	6	2	2 *(2)*	-	**VW3A3720**	*338.00*

(*) Altivar Process drives can only take one communication card.

Additional EMC input filters

3-phase supply voltage: 380...480 V 50 Hz

For drives	Maximum length of shielded cable *(1)* IEC/EN 61800-3 category C2 *(3)* m	IEC/EN 61800-3 category C2 *(3)* m	In *(2)* A	If mA	Reference *(4)*	Price (S$)
ATV630U07N4...U22N4 ATV650U07N4...U22N4	150	300	8	3.98	**VW3A4701**	*204.00*
ATV630U30N4...U55N4 ATV650U30N4...U55N4	150	300	15	3.98	**VW3A4702**	*272.00*
ATV630U75N4...D15N4 ATV650U75N4...D15N4	150	300	35	7.60	**VW3A4703**	*428.00*
ATV630D18N4...D22N4 ATV650D18N4...D22N4	150	300	50	7.60	**VW3A4704**	*480.00*
ATV630D30N4 ATV650D30N4	150	300	70	3.98	**VW3A4705**	*929.00*
ATV630D37N4...D45N4 ATV650D37N4...D45N4	150	300	100	3.98	**VW3A4706**	*1,205.00*
ATV630D55N4 ATV650D55N4	150	300	70	13.9	**VW3A4707**	*1,341.00*
ATV630D75N4...D90N4 ATV650D75N4...D90N4	150	300	100	13.9	**VW3A4708**	*1,638.00*
ATV630C11N4...C13N4	150	300			**VW3A4709**	*1,980.00*
ATV630C16N4	150	300			**VW3A4710**	*2,187.00*

(1) The maximum lengths are given as examples only as they vary depending on the stray capacitance of the motors and the cables used. If motors are connected in parallel, it is the total length of all cables that should be taken into account.

(2) Nominal filter current.

(3) Values given depend on the nominal switching frequency of the drive. This frequency depends on the drive rating.

(4) When used with ATV650U07N4/N4E...D90N4/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Life Is On Schneider Electric

Variable speed drives
Altivar Process ATV600 and ATV900
Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

VW3A46106

For ATV Process drives	Filter Nominal Current Input A	Output A	Quantity per Drive	Reference	Price (S$)
ATV630U07N4…U30N4 ATV650U07N4…U30N4 ATV930U07N4…U30N4 ATV950U07N4…U30N4	6	6.2	1	**VW3A46101**	*2,280.00*
ATV630U40N4…U55N4 ATV650U40N4…U55N4 ATV930U40N4…U55N4 ATV950U40N4…U55N4	10	10.4	1	**VW3A46102**	*2,774.00*
ATV630U75N4 ATV650U75N4 ATV930U75N4 ATV950U75N4	14	14.5	1	**VW3A46103**	*3,231.00*
ATV630D11N4 ATV650D11N4 ATV930D11N4 ATV950D11N4	22	23	1	**VW3A46104**	*3,689.00*
ATV630D15N4 ATV650D15N4 ATV930D15N4 ATV950D15N4	29	30	1	**VW3A46105**	*4,125.00*
ATV630D18N4 ATV650D18N4 ATV930D18N4 ATV950D18N4	35	37	1	**VW3A46106**	*4,752.00*
ATV630D22N4 ATV650D22N4 ATV930D22N4 ATV950D22N4	43	45	1	**VW3A46107**	*4,945.00*
ATV630D30N4 ATV650D30N4 ATV930D30N4 ATV950D30N4	58	60	1	**VW3A46108**	*6,395.00*
ATV630D37N4 ATV650D37N4 ATV930D37N4 ATV950D37N4	72	75	1	**VW3A46109**	*7,841.00*
ATV630D45N4 ATV650D45N4 ATV930D45N4 ATV950D45N4	86	90	1	**VW3A46110**	*8,456.00*
ATV630D55N4 ATV650D55N4 ATV930D55N4 ATV950D55N4	101	105	1	**VW3A46111**	*9,060.00*
ATV630D75N4 ATV650D75N4 ATV930D75N4 ATV950D75N4	144	150	1	**VW3A46112**	*10,494.00*
ATV630D90N4 ATV650D90N4 ATV930D90N4 ATV950D90N4	180	187	1	**VW3A46113**	*13,043.00*
ATV630C11N4 ATV930C11N4C	217	225	1	**VW3A46114**	*14,962.00*
ATV630C13N4 ATV930C13N4C	252	262	1	**VW3A46115**	*16,748.00*
ATV630C16N4 ATV930C16N4C	304	316	1	**VW3A46116**	*17,535.00*

Variable speed drives
Altivar Process ATV600 and ATV900
Accessories: passive filters

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

For ATV Process drives	Filter Nominal Current Input	Filter Nominal Current Output	Quantity per Drive	Reference	Price (S$)
	A	A			
ATV630U07N4…U30N4 ATV650U07N4…U30N4 ATV930U07N4…U30N4 ATV950U07N4…U30N4	6	6.2	1	**VW3A46120**	*3,267.00*
ATV630U40N4…U55N4 ATV650U40N4…U55N4 ATV930U40N4…U55N4 ATV950U40N4…U55N4	10	10.4	1	**VW3A46121**	*3,914.00*
ATV630U75N4 ATV650U75N4 ATV930U75N4 ATV950U75N4	14	14.5	1	**VW3A46122**	*4,280.00*
ATV630D11N4 ATV650D11N4 ATV930D11N4 ATV950D11N4	22	23	1	**VW3A46123**	*4,646.00*
ATV630D15N4 ATV650D15N4 ATV930D15N4 ATV950D15N4	29	30	1	**VW3A46124**	*5,369.00*
ATV630D18N4 ATV650D18N4 ATV930D18N4 ATV950D18N4	35	37	1	**VW3A46125**	*6,117.00*
ATV630D22N4 ATV650D22N4 ATV930D22N4 ATV950D22N4	43	45	1	**VW3A46126**	*7,318.00*
ATV630D30N4 ATV650D30N4 ATV930D30N4 ATV950D30N4	58	60	1	**VW3A46127**	*8,443.00*
ATV630D37N4 ATV650D37N4 ATV930D37N4 ATV950D37N4	72	75	1	**VW3A46128**	*10,410.00*
ATV630D45N4 ATV650D45N4 ATV930D45N4 ATV950D45N4	86	90	1	**VW3A46129**	*11,195.00*
ATV630D55N4 ATV650D55N4 ATV930D55N4 ATV950D55N4	101	105	1	**VW3A46130**	*12,738.00*
ATV630D75N4 ATV650D75N4 ATV930D75N4 ATV950D75N4	144	150	1	**VW3A46131**	*15,007.00*
ATV630D90N4 ATV650D90N4 ATV930D90N4 ATV950D90N4	180	187	1	**VW3A46132**	*18,290.00*
ATV630C11N4 ATV930C11N4C	217	225	1	**VW3A46133**	*20,547.00*
ATV630C13N4 ATV930C13N4C	252	262	1	**VW3A46134**	*22,311.00*
ATV630C16N4 ATV930C16N4C	304	316	1	**VW3A46135**	*24,077.00*

Life Is On Schneider Electric

Variable speed drives

Altivar Process: Output filters
Option: dv/dt filters, Sinus filters

unit price (excl. GST in Singapore Dollars)

dv/dt output filters

3-phase supply voltage: 380...480 V

For drives	Maximum length of motor cable		Nominal Current	Degree of Protection	**Reference** *(3)*	**Price (S$)**
	Maximum switching frequency *(1)* kHz	Shielded cable *(2)* m/ft	A	IP		
ATV630U07N4...U22N4 ATV650U07N4...U22N4 ATV650U07N4E...U22N4E	4	300/984	6	20	**VW3A5301**	*329.00*
ATV630U30N4...U55N4 ATV650U30N4...U55N4 ATV650U30N4E...U55N4E	4	300/984	15	20	**VW3A5302**	*457.00*
ATV630U75N4...D11N4 ATV650U75N4...D11N4 ATV650U75N4E...D11N4E	4	300/984	25	20	**VW3A5303**	*493.00*
ATV630D15N4...D22N4 ATV650D15N4...D22N4 ATV650D15N4E...D22N4E	4	300/984	50	20	**VW3A5304**	*792.00*
ATV630D30N4...D45N4 ATV650D30N4...D45N4 ATV650D30N4E...D45N4E	4	300/984	95	20	**VW3A5305**	*1,157.00*
ATV630D55N4...D90N4 ATV650D55N4...D90N4 ATV650D55N4E...D90N4E	2.5	300/984	180	00	**VW3A5306**	*1,241.00*
ATV630C11N4...C16N4	2.5	300/984	305	00	**VW3A5307**	*1,435.00*

(1) The filters are designed to operate in a switching frequency range of between 2 and 8 kHz.

(2) Values given depend on the nominal switching frequency of the drive. This frequency depends on the drive rating. These cable lengths are given as examples only as they can vary depending on the application. They correspond to motors conforming to IEC 6034-25 and NEMA MG1/31.2006.

(3) When used with ATV650U07/N4E...D90/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Sinus filters

3-phase supply voltage: 380...480 V

For drives	Nominal current A	Degree of Protection IP	**Reference** *(4)(5)*	**Price (S$)**
ATV630U07N4...U22N4 ATV650U07N4...U22N4 ATV650U07N4E...U22N4E (2)	6	20	**VW3A5401**	*486.00*
ATV630U30N4...U55N4 ATV650U30N4...U55N4 ATV650U30N4E...U55N4E (2)	15	20	**VW3A5402**	*676.00*
ATV630U07N4...D11N4 ATV650U07N4...D11N4 ATV650U07N4E...D11N4E (2)	25	20	**VW3A5403**	*855.00*
ATV630D15N4...D22N4 ATV650D15N4...D22N4 ATV650D15N4E...D22N4E (2)	50	20	**VW3A5404**	*1,479.00*
ATV630D30N4...D45N4 ATV650D30N4...D45N4 ATV650D30N4E...D45N4E (2)	95	20	**VW3A5405**	*2,651.00*
ATV630D55N4...D90N4 ATV650D55N4...D90N4 ATV650D55N4E...D90N4E (2)	180	00	**VW3A5406**	*3,732.00*
ATV630C11N4...C16N4	305	00	**VW3A5407**	*5,857.00*

(1) The filters are designed to operate in a switching frequency range of between 4 and 8 kHz.

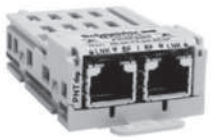
(2) When used with ATV650U07N4/N4E...D90N4/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Variable speed drives

Altivar Process

Option: Communication modules

unit price (excl. GST in Singapore Dollars)



VW3A3627

PROFINET bus *(1)*

Description	Reference	Price (S$)
Fieldbus module		
PROFINET module *equipped with 2 RJ45 connectors*	**VW3A3627**	*557.00*

VW3A3607

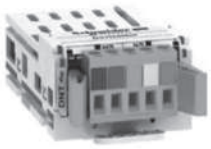
PROFIBUS DP V1 bus *(1)*

Description	Reference	Price (S$)
Fieldbus module		
PROFIBUS DP V1 module Port: 1 x 9-way female SUB-D connector Conforming to PROFIBUS DP V1 Profiles supported: • CiA 402 drive • Profidrive Offers several message handling modes based on DP V1	**VW3A3607**	*315.00*
SUB-D connection		
IP 20 straight connectors *(2)* for Profibus module	**LU9AD7**	*333.00*

VW3A3601

EtherCAT bus *(1)*

Description	Reference	Price (S$)
Fieldbus module		
EtherCAT module equipped with 2 RJ45 connectors	**VW3A3601**	*405.00*



VW3A3609

DeviceNet bus *(1)*

Description	Reference	Price (S$)
Fieldbus module		
DeviceNet module Port: 1 removable 5-way screw connector Profiles supported: bb CIP AC DRIVE bb CiA 402 drive	**VW3A3609**	*380.00*

(1) Altivar Process drives can only take one fieldbus module..
option and accessory combinations (see catalogue).
(2) Only straight connectors are compatible with Altivar Process drives

Life Is On Schneider Electric

LXM28 and BCH2

Servo drive and motor

Single Phase 200...240V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

LXM28-Servo drive and BCH2 Servo motor Combinations *(1)*

Single Phase 200...240VAC

Lexium 28
50 W, 100 W, 200 W,
400 W and 750 W

Rated output power	Servo Drive		Servo Motor							
	Reference	***Price S$***	Feedback Resolution	Frame Size	Nominal Speed	Shaft Key	Brake	Inertia Type	**Reference**	**Price (S$)**
W			**Bit**	**mm**	**rpm**					
50	**LXM28AUA5M3X**	*890.00*	20	40	3000	Yes	No	Medium	**BCH2MBA533CA5C**	*580.00*
100	**LXM28AU01M3X**	*900.00*	20	40	3000	Yes	No	Medium	**BCH2MB0133CA5C**	*680.00*
200	**LXM28AU02M3X**	*910.00*	20	60	3000	Yes	No	Low	**BCH2LD0233CA5C**	*610.00*
400	**LXM28AU04M3X**	*950.00*	20	60	3000	Yes	No	Low	**BCH2LD0433CA5C**	*650.00*
			20	80	3000	Yes	No	Low	**BCH2LF0433CA5C**	*680.00*
750	**LXM28AU07M3X**	*990.00*	20	80	3000	Yes	No	Low	**BCH2LF0733CA5C**	*790.00*
			20	80	3000	Yes	No	High	**BCH2HF0733CA5C**	*770.00*

Lexium 28 motor cables

Cable Type	Motor Frame Size	Brake	Length	Reference	Price (S$)
	mm		m		
Encoder	40 / 60 / 80	N/A	1.5	**VW3M8D1AR15**	*90.00*
			3	**VW3M8D1AR30**	*90.00*
			5	**VW3M8D1AR50**	*110.00*
Power	40 / 60 / 80	No	1.5	**VW3M5D1AR15**	*65.00*
			3	**VW3M5D1AR30**	*75.00*
			5	**VW3M5D1AR50**	*100.00*

VW3M1C12

Lexium 28 accessories

Description		Reference	Price (S$)
USB TO RJ45 Cordset (PC to Lexium 28)		**TCSMCNAM3M002P**	*82.00*
I/O interface attachment plug (sold in lots of 3)		**VW3M1C12**	*110.00*
I/O PTI cables	1	**VW3M1C10R10**	*170.00*
Sub-D 50-pin connector for connection on	2	**VW3M1C10R20**	*190.00*
CN1 interface (drive side) and open end (controller side)	3	**VW3M1C10R30**	*220.00*

(1) For a full list of Lexium 28 drives, motors and accesories, please refer to your local sales contact.

Operator dialog

Control and signalling units

Harmony® XB4, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED 2-1
Double and Mushroom head pushbuttons, Emergency devices 2-2
Selector switches and illuminated selector switches with integral LED 2-3
Pilot lights 2-4

Harmony® XB5, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED 2-5
Double and Mushroom head pushbuttons, Emergency stop trigger action 2-6
Selector switches and illuminated selector switches with integral LED 2-7
Pilot lights 2-8
Monolithtic Pilot Lights with Integrated LED 2-9

Harmony® XB6, plastic Ø16

Spring return illuminated pushbuttons, with integral LED 2-10
Latching illuminated pushbuttons, with integral LED 2-11
Pilot lights with integral LED 2-11
Spring return pushbuttons and Emergency stop trigger action 2-12
Selector switches and key switches 2-13

Harmony® XB7, plastic Ø22

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Monolithic illuminated pushbuttons 2-16
Monolithic pilot lights 2-17
Monolithic selector switches, key switches and Emergency trigger action 2-18

Harmony® XB5R, Plastic and Metal batteryless pushbuttons

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Control stations

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Signalling solutions

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Operator dialogue terminals

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Control and signalling units Ø22

Harmony® XB4, metal
Spring return pushbutton & Illuminated pushbutton with integral LED

unit price (excl. GST in Singapore Dollars)

Pushbuttons

Screw clamp terminal connections

XB4 BA31

XB4 BL42

XB4 BP21

XB4 BA4322

Shape of head	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
Flush push									
	1	-	White	**XB4BA11**	*12.70*	**ZB4BA1**	*5.00*	**ZB4BZ101**	*7.70*
			Black	**XB4BA21**	*12.70*	**ZB4BA2**	*5.00*	**ZB4BZ101**	*7.70*
			Green	**XB4BA31**	*12.70*	**ZB4BA3**	*5.00*	**ZB4BZ101**	*7.70*
			Yellow	**XB4BA51**	*12.70*	**ZB4BA5**	*5.00*	**ZB4BZ101**	*7.70*
			Blue	**XB4BA61**	*12.70*	**ZB4BA6**	*5.00*	**ZB4BZ101**	*7.70*
	-	1	Red	**XB4BA42**	*12.70*	**ZB4BA4**	*5.00*	**ZB4BZ102**	*7.70*
Projecting push									
	-	1	Red	**XB4BL42**	*14.70*	**ZB4BL4**	*7.00*	**ZB4BZ102**	*7.70*
Silicone booted head for severe environments (colour of push unobscured)									
	1	-	Black	**XB4BP21**	*16.70*	**ZB4BP2**	*9.00*	**ZB4BZ101**	*7.70*
			Green	**XB4BP31**	*16.70*	**ZB4BP3**	*9.00*	**ZB4BZ101**	*7.70*
			Yellow	**XB4BP51**	*16.70*	**ZB4BP5**	*9.00*	**ZB4BZ101**	*7.70*
			Blue	**XB4BP61**	*16.70*	**ZB4BP6**	*9.00*	**ZB4BZ101**	*7.70*
	-	1	Red	**XB4BP42**	*16.70*	**ZB4BP4**	*9.00*	**ZB4BZ102**	*7.70*

Flush push with marking

Shape of head	Type of contact N/O	Type of contact N/C	Marking Text (colour)	Colour of push	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	-	"I" (white)	Green	**XB4BA3311**	*18.70*	**ZB4BA331**	*11.00*	**ZB4BZ101**	*7.70*
	-	1	"O" (white)	Red	**XB4BA4322**	*18.70*	**ZB4BA432**	*11.00*	**ZB4BZ102**	*7.70*
	1	-	↑ (black)	White	**XB4BA3341**	*18.70*	**ZB4BA334**	*11.00*	**ZB4BZ101**	*7.70*
	1	-	⇩ (white)	Black	**XB4BA3351**	*18.70*	**ZB4BA335**	*11.00*	**ZB4BZ101**	*7.70*
Projecting push with marking										
	-	1	"O" (white)	Red	**XB4BL4322**	*21.00*	**ZB4BL432**	*13.30*	**ZB4BZ102**	*7.70*

Illuminated pushbuttons with flush push and integral LED

Screw clamp terminal connections

XB4 BW33B5

XB4 BW34G5

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
(1N/O+1N/C) Protected LED	24V a.c./ d.c.	White	**XB4BW31B5**	*32.00*	**ZB4BW313**	*14.00*	**ZB4BW0B15**	*18.00*
		Green	**XB4BW33B5**	*32.00*	**ZB4BW333**	*14.00*	**ZB4BW0B35**	*18.00*
		Red	**XB4BW34B5**	*32.00*	**ZB4BW343**	*14.00*	**ZB4BW0B45**	*18.00*
		Orange	**XB4BW35B5**	*32.00*	**ZB4BW353**	*14.00*	**ZB4BW0B55**	*18.00*
		Blue	**XB4BW36B5**	*32.00*	**ZB4BW363**	*14.00*	**ZB4BW0B65**	*18.00*
	110…120V 50/60Hz	White	**XB4BW31G5**	*34.00*	**ZB4BW313**	*14.00*	**ZB4BW0G15**	*20.00*
		Green	**XB4BW33G5**	*34.00*	**ZB4BW333**	*14.00*	**ZB4BW0G35**	*20.00*
		Red	**XB4BW34G5**	*34.00*	**ZB4BW343**	*14.00*	**ZB4BW0G45**	*20.00*
		Orange	**XB4BW35G5**	*34.00*	**ZB4BW353**	*14.00*	**ZB4BW0G55**	*20.00*
		Blue	**XB4BW36G5**	*34.00*	**ZB4BW363**	*14.00*	**ZB4BW0G65**	*20.00*
	230…240V 50/60Hz	White	**XB4BW31M5**	*37.00*	**ZB4BW313**	*14.00*	**ZB4BW0M15**	*23.00*
		Green	**XB4BW33M5**	*37.00*	**ZB4BW333**	*14.00*	**ZB4BW0M35**	*23.00*
		Red	**XB4BW34M5**	*37.00*	**ZB4BW343**	*14.00*	**ZB4BW0M45**	*23.00*
		Orange	**XB4BW35M5**	*37.00*	**ZB4BW353**	*14.00*	**ZB4BW0M55**	*23.00*
		Blue	**XB4BW36M5**	*37.00*	**ZB4BW363**	*14.00*	**ZB4BW0M65**	*23.00*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Control and signalling units Ø22

Harmony® XB4, metal
Double-headed, Mushroom head pushbuttons, Emergency devices

unit price (excl. GST in Singapore Dollars)

Double headed pushbuttons *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB4 BL73415

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Reference	Price(S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White “I” on green background White “0” on red background	**XB4BL73415**	*30.00*

Double-headed pushbuttons + 1 white central pilot light block *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

ZB4 BL7341

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Pilot light voltage (V)	Reference	Price(S$)
	1 flush black push 1 projecting red push 1 white central pilot light block	1	1	White “I” on green background White “0” on red *background*	24	**XB4BW73731B5**	*38.00*
					120	**XB4BW73731G5**	*38.00*
					240	**XB4BW73731M5**	*38.00*

Mushroom head pushbuttons Ø40 mm

XB4 BC21

Shape of head	Colour of push	Type of contact N/O	Type of contact N/C	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	Black	1	-	**XB4BC21**	*19.70*	**ZB4BC2**	*12.00*	**ZB4BZ101**	*7.70*

Emergency stop trigher action and mechanical latching pushbuttons, Ø40 mm (Red)

XB4 BT845

XB4 BS9445

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	Push-pull	1	1	**XB4BT845**	*32.00*	**ZB4BT84**	*20.00*	**ZB4BZ105**	*12.00*
	Turn to release	1	1	**XB4BS8445**	*26.00*	**ZB4BS844**	*14.00*	**ZB4BZ105**	*12.00*
	key release (key no.455)	1	1	**XB4BS9445**	*52.00*	**ZB4BS944**	*40.00*	**ZB4BZ105**	*12.00*

Emergency stop trigger action and mechanical latching pushbuttons, Ø40 mm (Red)

XB4BT842

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	Push-pull	-	1	**XB4BT842**	*27.70*	**ZB4BT84**	*20.00*	**ZB4BZ102**	*7.70*
	Turn to release	-	1	**XB4BS8442**	*21.70*	**ZB4BS844**	*14.00*	**ZB4BZ102**	*7.70*
	key release (key no.455)	-	1	**XB4BS9442**	*47.70*	**ZB4BS944**	*40.00*	**ZB4BZ102**	*7.70*

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, refer catalogue for details.

(2) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).

(#) Complete units will not be entitled for exchange. Please order head and body references.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB4, metal

Selector switches and illuminated selector switches with integral LED

unit price (excl. GST in Singapore Dollars)

Selector switches

Screw clamp terminal connections

XB4 BD33

ZB4 BJ21

XB4 BG33

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
Standard handle, black										
1	-	2-position	Stay put		**XB4BD21**	*14.70*	**ZB4BD2**	*7.00*	**ZB4BZ101**	*7.70*
1	-	90°	Spring return from right to left		**XB4BD41**	*20.70*	**ZB4BD4**	*13.00*	**ZB4BZ101**	*7.70*
1	1		Stay put		**XB4BD25**	*19.00*	**ZB4BD2**	*7.00*	**ZB4BZ105**	*12.00*
2	-	3- position	Stay put		**XB4BD33**	*20.00*	**ZB4BD3**	*8.00*	**ZB4BZ103**	*12.00*
2	-	±45°	Spring return to centre		**XB4BD53**	*25.00*	**ZB4BD5**	*13.00*	**ZB4BZ103**	*12.00*
Long handle, black										
1	-	2-position 90°	Stay put		**XB4BJ21**	*16.70*	**ZB4BJ2**	*9.00*	**ZB4BZ101**	*7.70*
2	-	3- position	Stay put		**XB4BJ33**	*22.00*	**ZB4BJ3**	*10.00*	**ZB4BZ103**	*12.00*
		±45°	Spring return to centre		**XB4BJ53**	*27.00*	**ZB4BJ5**	*15.00*	**ZB4BZ103**	*12.00*
Key switches with key no. 455										
1	-	2-position 90°	Stay put		**XB4BG21**	*31.70*	**ZB4BG2**	*24.00*	**ZB4BZ101**	*7.70*
					XB4BG41	*33.70*	**ZB4BG4**	*26.00*	**ZB4BZ101**	*7.70*
			Spring return to left		**XB4BG61**	*36.70*	**ZB4BG6**	*29.00*	**ZB4BZ101**	*7.70*
2	-	3- position	Stay put		**XB4BG03**	*50.00*	**ZB4BG0**	*38.00*	**ZB4BZ103**	*12.00*
		±45°			**XB4BG33**	*39.00*	**ZB4BG3**	*27.00*	**ZB4BZ103**	*12.00*

Illuminated selector switches with standard handle, with integral LED

Screw clamp terminal connections

XB4 BK123B5

Protected LED

Type of contact N/O	Type of contact N/C	Positions Number Type	Supply voltage (V)	Colour of handle	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
Standard handle										
1	1	2-position Stay put 90°	24V ac/dc	Green	**XB4BK123B5**	*33.00*	**ZB4BK1233**	*15.00*	**ZB4BW0B35**	*18.00*
				Red	**XB4BK124B5**	*33.00*	**ZB4BK1243**	*15.00*	**ZB4BW0B45**	*18.00*
				Orange	**XB4BK125B5**	*33.00*	**ZB4BK1253**	*15.00*	**ZB4BW0B55**	*18.00*
			110...120V ac	Green	**XB4BK123G5**	*35.00*	**ZB4BK1233**	*15.00*	**ZB4BW0G35**	*20.00*
				Red	**XB4BK124G5**	*35.00*	**ZB4BK1243**	*15.00*	**ZB4BW0G45**	*20.00*
				Orange	**XB4BK125G5**	*35.00*	**ZB4BK1253**	*15.00*	**ZB4BW0G55**	*20.00*
			220…240V ac	Green	**XB4BK123M5**	*38.00*	**ZB4BK1233**	*15.00*	**ZB4BW0M35**	*23.00*
				Red	**XB4BK124M5**	*38.00*	**ZB4BK1243**	*15.00*	**ZB4BW0M45**	*23.00*
				Orange	**XB4BK125M5**	*38.00*	**ZB4BK1253**	*15.00*	**ZB4BW0M55**	*23.00*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Control and signalling units Ø22

Harmony® XB4, metal

Pilot lights, screw clamp terminal connections

unit price (excl. GST in Singapore Dollars)

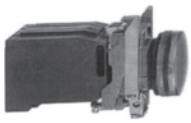
Pilot lights with integral LED

XB4 BVB5

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	24V	White	**XB4BVB1**	*21.00*	**ZB4BV013**	*9.00*	**ZB4BVB1**	*12.00*
	a.c./ d.c.	Green	**XB4BVB3**	*21.00*	**ZB4BV033**	*9.00*	**ZB4BVB3**	*12.00*
	50/60 Hz	Red	**XB4BVB4**	*21.00*	**ZB4BV043**	*9.00*	**ZB4BVB4**	*12.00*
		Orange	**XB4BVB5**	*21.00*	**ZB4BV053**	*9.00*	**ZB4BVB5**	*12.00*
		Blue	**XB4BVB6**	*21.00*	**ZB4BV063**	*9.00*	**ZB4BVB6**	*12.00*
	110...120V	White	**XB4BVG1**	*21.00*	**ZB4BV013**	*9.00*	**ZB4BVG1**	*12.00*
	50/60 Hz	Green	**XB4BVG3**	*21.00*	**ZB4BV033**	*9.00*	**ZB4BVG3**	*12.00*
		Red	**XB4BVG4**	*21.00*	**ZB4BV043**	*9.00*	**ZB4BVG4**	*12.00*
		Orange	**XB4BVG5**	*21.00*	**ZB4BV053**	*9.00*	**ZB4BVG5**	*12.00*
		Blue	**XB4BVG6**	*21.00*	**ZB4BV063**	*9.00*	**ZB4BVG6**	*12.00*
	230…240V	White	**XB4BVM1**	*24.00*	**ZB4BV013**	*9.00*	**ZB4BVM1**	*15.00*
	50/60 Hz	Green	**XB4BVM3**	*24.00*	**ZB4BV033**	*9.00*	**ZB4BVM3**	*15.00*
		Red	**XB4BVM4**	*24.00*	**ZB4BV043**	*9.00*	**ZB4BVM4**	*15.00*
		Orange	**XB4BVM5**	*24.00*	**ZB4BV053**	*9.00*	**ZB4BVM5**	*15.00*
		Blue	**XB4BVM6**	*24.00*	**ZB4BV063**	*9.00*	**ZB4BVM6**	*15.00*

Pilot lights for BA 9s base fitting, with plain lens

XB4-BV64



XB4-BV33

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
Direct supply, for BA 9s U <= 250V, 2.4 W bulb (bulb not included)								
	≤250	White	**XB4BV61**	*16.00*	**ZB4BV01**	*6.00*	**ZB4BV6**	*10.00*
	d.c.	Green	**XB4BV63**	*16.00*	**ZB4BV03**	*6.00*	**ZB4BV6**	*10.00*
		Red	**XB4BV64**	*16.00*	**ZB4BV04**	*6.00*	**ZB4BV6**	*10.00*
		Orange	**XB4BV65**	*16.00*	**ZB4BV05**	*6.00*	**ZB4BV6**	*10.00*
Via integral transformer with 1.2 VA, 6 V secondary. BA 9s incandescent bulb included								
	110…120V	White	**XB4BV31**	*31.00*	**ZB4BV01**	*6.00*	**ZB4BV3**	*25.00*
	50/60 Hz	Green	**XB4BV33**	*31.00*	**ZB4BV03**	*6.00*	**ZB4BV3**	*25.00*
		Red	**XB4BV34**	*31.00*	**ZB4BV04**	*6.00*	**ZB4BV3**	*25.00*
		Orange	**XB4BV35**	*31.00*	**ZB4BV05**	*6.00*	**ZB4BV3**	*25.00*
	230V 50Hz	White	**XB4BV41**	*31.00*	**ZB4BV01**	*6.00*	**ZB4BV4**	*25.00*
	220…240V	Green	**XB4BV43**	*31.00*	**ZB4BV03**	*6.00*	**ZB4BV4**	*25.00*
	60Hz	Red	**XB4BV44**	*31.00*	**ZB4BV04**	*6.00*	**ZB4BV4**	*25.00*
		Orange	**XB4BV45**	*31.00*	**ZB4BV05**	*6.00*	**ZB4BV4**	*25.00*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5, plastic
Spring return pushbutton &
Illuminated pushbutton with integral LED

unit price (excl. GST in Singapore Dollars)

Pushbutton with flush push

Screw clamp terminal connections

XB5 AA31

Shape of head	Type of contact N/O	N/C	Colour of push	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
Flush push									
	1	-	White	**XB5AA11**	*12.00*	**ZB5AA1**	*5.00*	**ZB5AZ101**	*7.00*
			Black	**XB5AA21**	*12.00*	**ZB5AA2**	*5.00*	**ZB5AZ101**	*7.00*
			Green	**XB5AA31**	*12.00*	**ZB5AA3**	*5.00*	**ZB5AZ101**	*7.00*
			Yellow	**XB5AA51**	*12.00*	**ZB5AA5**	*5.00*	**ZB5AZ101**	*7.00*
			Blue	**XB5AA61**	*12.00*	**ZB5AA6**	*5.00*	**ZB5AZ101**	*7.00*
	-	1	Red	**XB5AA42**	*12.00*	**ZB5AA4**	*5.00*	**ZB5AZ102**	*7.00*

XB5 AL42

Projecting push									
	-	1	Red	**XB5AL42**	*14.00*	**ZB5AL4**	*7.00*	**ZB5AZ102**	*7.00*

Flush push with marking

Shape of head	Type of contact N/O	N/C	Marking Text (colour)	Colour of push	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	1	-	"I" (white)	Green	**XB5AA3311**	*16.00*	**ZB5AA331**	*9.00*	**ZB5AZ101**	*7.00*
	-	1	"O" (white)	Red	**XB5AA4322**	*16.00*	**ZB5AA432**	*9.00*	**ZB5AZ102**	*7.00*
	1	-	↑ **(black)**	White *(1)*	**XB5AA3341**	*16.00*	**ZB5AA334**	*9.00*	**ZB5AZ101**	*7.00*
	1	-	⇩ **(white)**	Black *(1)*	**XB5AA3351**	*16.00*	**ZB5AA335**	*9.00*	**ZB5AZ101**	*7.00*
Projecting push with marking										
	-	1	"O" (white)	Red	**XB5AL4322**	*18.00*	**ZB5AL432**	*11.00*	**ZB5AZ102**	*7.00*

XB5 AA4322

Illuminated pushbuttons with flush push and integral LED

Screw clamp terminal connections

XB5 AW31B5

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	24V a.c./d.c.	White	**XB5AW31B5**	*25.50*	**ZB5AW313**	*8.00*	**ZB5AW0B15**	*17.50*
		Green	**XB5AW33B5**	*25.50*	**ZB5AW333**	*8.00*	**ZB5AW0B35**	*17.50*
		Red	**XB5AW34B5**	*25.50*	**ZB5AW343**	*8.00*	**ZB5AW0B45**	*17.50*
(1N/O+1N/C)		Orange	**XB5AW35B5**	*25.50*	**ZB5AW353**	*8.00*	**ZB5AW0B55**	*17.50*
Protected LED		Blue	**XB5AW36B5**	*25.50*	**ZB5AW363**	*8.00*	**ZB5AW0B65**	*17.50*
	110…120V 50/60Hz	White	**XB5AW31G5**	*27.00*	**ZB5AW313**	*8.00*	**ZB5AW0G15**	*19.00*
		Green	**XB5AW33G5**	*27.00*	**ZB5AW333**	*8.00*	**ZB5AW0G35**	*19.00*
		Red	**XB5AW34G5**	*27.00*	**ZB5AW343**	*8.00*	**ZB5AW0G45**	*19.00*
		Orange	**XB5AW35G5**	*27.00*	**ZB5AW353**	*8.00*	**ZB5AW0G55**	*20.00*
		Blue	**XB5AW36G5**	*27.00*	**ZB5AW363**	*8.00*	**ZB5AW0G65**	*19.00*
	230…240V 50/60Hz	White	**XB5AW31M5**	*30.00*	**ZB5AW313**	*8.00*	**ZB5AW0M15**	*22.00*
		Green	**XB5AW33M5**	*30.00*	**ZB5AW333**	*8.00*	**ZB5AW0M35**	*22.00*
		Red	**XB5AW34M5**	*30.00*	**ZB5AW343**	*8.00*	**ZB5AW0M45**	*22.00*
		Orange	**XB5AW35M5**	*30.00*	**ZB5AW353**	*8.00*	**ZB5AW0M55**	*22.00*
		Blue	**XB5AW36M5**	*30.00*	**ZB5AW363**	*8.00*	**ZB5AW0M65**	*22.00*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Control and signalling units Ø22

Harmony® XB5, plastic

Double-headed, Mushroom head pushbuttons, Emergency devices

unit price (excl. GST in Singapore Dollars)

Double headed pushbuttons *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB5 AL73415

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Reference	Price(S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White “I” on green background White “0” on red background	**XB5AL73415**	*27.00*

Double-headed pushbuttons + 1 white central pilot light block *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB5 AW73731●5

Shape of head	Description	Type of contact **NO**	Type of contact **NC**	Colour and marking of caps (2)	Pilot light voltage (V)	Reference	Price(S$)
	1 flush black push 1 projecting red push 1 white central pilot light block	1	1	White “I” on green background White “0” on red *background*	24	**XB5AW73731B5**	*32.00*
					120	**XB5AW73731G5**	*35.00*
					240	**XB5AW73731M5**	*35.00*

Mushroom head pushbuttons Ø40 mm

XB5 AC21

Shape of head	Type of contact **N/O**	Type of contact **N/C**	Colour of push	**Complete unit (#)** Reference	Price(S$)	**Head** Reference	Price(S$)	**Body** Reference	Price(S$)
	1	-	Black	**XB5AC21**	*17.00*	**ZB5AC2**	*10.00*	**ZB5AZ101**	*7.00*

Emergency stop trigger action and mechanical latching pushbuttons, Ø40 mm (Red)

XB5AT842

Shape of head	Type of reset	Type of contact **N/O**	Type of contact **N/C**	**Complete unit (#)** Reference	Price(S$)	**Head** Reference	Price(S$)	**Body** Reference	Price(S$)
	Push-pull	-	1	**XB5AT842**	*26.00*	**ZB5AT84**	*19.00*	**ZB5AZ102**	*7.00*
	Turn to release	-	1	**XB5AS8442**	*20.00*	**ZB5AS844**	*13.00*	**ZB5AZ102**	*7.00*
	key release (key no.455)	-	1	**XB5AS9442**	*42.00*	**ZB5AS944**	*31.00*	**ZB5AZ102**	*7.00*

(1) Recommended maximum number of contacts constituting the body (fi xing collar + contact) associated with the head, see catalogue.

(2) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).

(#) Complete units will not be entitled for exchange. Please order head and body references.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5, plastic
Selector switches and illuminated selector switches with integral LED

unit price (excl. GST in Singapore Dollars)

Selector switches

XB5 AD33

XB5 AG•3

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
Standard handle, black										
1	-	2-position	Stay put		**XB5AD21**	*13.00*	**ZB5AD2**	*6.00*	**ZB5AZ101**	*7.00*
1	-	90°	Spring return from right to left		**XB5AD41**	*18.00*	**ZB5AD4**	*11.00*	**ZB5AZ101**	*7.00*
1	1		Stay put		**XB5AD25**	*17.00*	**ZB5AD2**	*6.00*	**ZB5AZ105**	*11.00*
2	-	3- position	Stay put		**XB5AD33**	*18.00*	**ZB5AD3**	*7.00*	**ZB5AZ103**	*11.00*
2	-	±45°	Spring return to centre		**XB5AD53**	*22.00*	**ZB5AD5**	*11.00*	**ZB5AZ103**	*11.00*
Long handle, black										
1	-	2-position 90°	Stay put		**XB5AJ21**	*15.00*	**ZB5AJ2**	*8.00*	**ZB5AZ101**	*7.00*
2	-	3- position	Stay put		**XB5AJ33**	*22.00*	**ZB5AJ3**	*11.00*	**ZB5AZ103**	*11.00*
		±45°	Spring return to centre		**XB5AJ53**	*25.30*	**ZB5AJ5**	*14.30*	**ZB5AZ103**	*11.00*
Key switches with key no. 455										
1	-	2-position 90°	Stay put		**XB5AG21**	*31.00*	**ZB5AG2**	*24.00*	**ZB5AZ101**	*7.00*
					XB5AG41	*32.00*	**ZB5AG4**	*25.00*	**ZB5AZ101**	*7.00*
			Spring return to left		**XB5AG61**	*34.00*	**ZB5AG6**	*27.00*	**ZB5AZ101**	*7.00*
2	-	3- position	Stay put		**XB5AG03**	*43.00*	**ZB5AG0**	*32.00*	**ZB5AZ103**	*11.00*
		±45°			**XB5AG33**	*35.00*	**ZB5AG3**	*24.00*	**ZB5AZ103**	*11.00*

Illuminated selector switches with standard handle, with integral LED

XB5 AK123•5

Type of contact N/O	Type of contact N/C	Positions Number Type	Supply voltage (V)	Colour of handle	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
1	1	2-position Stay put	24V ac/dc	Green	**XB5AK123B5**	*33.50*	**ZB5AK1233**	*16.00*	**ZB5AW0B35**	*17.50*
				Red	**XB5AK124B5**	*33.50*	**ZB5AK1243**	*16.00*	**ZB5AW0B45**	*17.50*
				Orange	**XB5AK125B5**	*33.50*	**ZB5AK1253**	*16.00*	**ZB5AW0B55**	*17.50*
		90°	110...120V ac	Green	**XB5AK123G5**	*35.00*	**ZB5AK1233**	*16.00*	**ZB5AW0G35**	*19.00*
				Red	**XB5AK124G5**	*35.00*	**ZB5AK1243**	*16.00*	**ZB5AW0G45**	*19.00*
				Orange	**XB5AK125G5**	*35.00*	**ZB5AK1253**	*16.00*	**ZB5AW0G55**	*20.00*
			220…240V ac	Green	**XB5AK123M5**	*38.00*	**ZB5AK1233**	*16.00*	**ZB5AW0M35**	*22.00*
				Red	**XB5AK124M5**	*38.00*	**ZB5AK1243**	*16.00*	**ZB5AW0M45**	*22.00*
				Orange	**XB5AK125M5**	*38.00*	**ZB5AK1253**	*16.00*	**ZB5AW0M55**	*22.00*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Control and signalling units Ø22

Harmony® XB5, plastic

Pilot lights, screw clamp terminal connections

unit price (excl. GST in Singapore Dollars)

Pilot lights with integral LED

XB5 AVB1

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	24V a.c./ d.c. 50/60 Hz	White	**XB5AVB1**	*15.00*	**ZB5AV013**	*7.00*	**ZB5AVB1**	*8.00*
		Green	**XB5AVB3**	*15.00*	**ZB5AV033**	*7.00*	**ZB5AVB3**	*8.00*
		Red	**XB5AVB4**	*15.00*	**ZB5AV043**	*7.00*	**ZB5AVB4**	*8.00*
		Orange	**XB5AVB5**	*15.00*	**ZB5AV053**	*7.00*	**ZB5AVB5**	*8.00*
		Blue	**XB5AVB6**	*15.00*	**ZB5AV063**	*7.00*	**ZB5AVB6**	*8.00*
	110...120V 50/60 Hz	White	**XB5AVG1**	*17.00*	**ZB5AV013**	*7.00*	**ZB5AVG1**	*10.00*
		Green	**XB5AVG3**	*17.00*	**ZB5AV033**	*7.00*	**ZB5AVG3**	*10.00*
		Red	**XB5AVG4**	*17.00*	**ZB5AV043**	*7.00*	**ZB5AVG4**	*10.00*
		Orange	**XB5AVG5**	*17.00*	**ZB5AV053**	*7.00*	**ZB5AVG5**	*10.00*
		Blue	**XB5AVG6**	*17.00*	**ZB5AV063**	*7.00*	**ZB5AVG6**	*10.00*
	230…240V 50/60 Hz	White	**XB5AVM1**	*20.00*	**ZB5AV013**	*7.00*	**ZB5AVM1**	*13.00*
		Green	**XB5AVM3**	*20.00*	**ZB5AV033**	*7.00*	**ZB5AVM3**	*13.00*
		Red	**XB5AVM4**	*20.00*	**ZB5AV043**	*7.00*	**ZB5AVM4**	*13.00*
		Orange	**XB5AVM5**	*20.00*	**ZB5AV053**	*7.00*	**ZB5AVM5**	*13.00*
		Blue	**XB5AVM6**	*20.00*	**ZB5AV063**	*7.00*	**ZB5AVM6**	*13.00*

Pilot lights for BA 9s base fitting, with plain lens

XB5 AV63

XB5 AV34

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
Direct supply, for BA 9s ulb, U <= 250V, 2.4W max. (bulb not included)								
	≤250 d.c.	White	**XB5AV61**	*13.00*	**ZB5AV01**	*4.00*	**ZB5AV6**	*9.00*
		Green	**XB5AV63**	*13.00*	**ZB5AV03**	*4.00*	**ZB5AV6**	*9.00*
		Red	**XB5AV64**	*13.00*	**ZB5AV04**	*4.00*	**ZB5AV6**	*9.00*
		Orange	**XB5AV65**	*13.00*	**ZB5AV05**	*4.00*	**ZB5AV6**	*9.00*
Via integral transformer with 1.2 VA, 6 V secondary. BA 9s incandescent bulb (included)								
	110…120V 50/60 Hz	White	**XB5AV31**	*28.00*	**ZB5AV01**	*4.00*	**ZB5AV3**	*24.00*
		Green	**XB5AV33**	*28.00*	**ZB5AV03**	*4.00*	**ZB5AV3**	*24.00*
		Red	**XB5AV34**	*28.00*	**ZB5AV04**	*4.00*	**ZB5AV3**	*24.00*
		Orange	**XB5AV35**	*28.00*	**ZB5AV05**	*4.00*	**ZB5AV3**	*24.00*
	230V 50Hz 220…240V 60Hz	White	**XB5AV41**	*28.00*	**ZB5AV01**	*4.00*	**ZB5AV4**	*24.00*
		Green	**XB5AV43**	*28.00*	**ZB5AV03**	*4.00*	**ZB5AV4**	*24.00*
		Red	**XB5AV44**	*28.00*	**ZB5AV04**	*4.00*	**ZB5AV4**	*24.00*
		Orange	**XB5AV45**	*28.00*	**ZB5AV05**	*4.00*	**ZB5AV4**	*24.00*

Accessories: Guards

Description	Application	Colour	Reference	Price(S$)
Metal guards Padlockable *(1)*	For Emergency Stop function only, following Ø 40 trigger-action pushbuttons: XB4BT8, XB4BS8, XB4BS9, XB5AT8, XB5AS8, XB5AS9,	Chromium plated	**ZBZ1600**	*32.00*
		Black	**ZBZ1602**	*32.00*
		Red	**ZBZ1604**	*32.00*
		Yellow	**ZBZ1605**	*32.00*
		Blue	**ZBZ1606**	*32.00*

(1) No isolation function is possible when this guard is fitted.

(#) Complete units will not be entitled for exchange. Please order head and body references.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5, plastic

Monolihtic Pilot lights with Integrated LED

High levels of protection against voltage peaks at 180VA

unit price (excl. GST in Singapore Dollars)

Pilot lights with integral LED

Shap of head	Supply voltage (V)	Colour	Complete unit Reference	Price(S$)
	24V	White	**XB5EVB1**	*15.00*
	a.c./ d.c.	Green	**XB5EVB3**	*15.00*
	50/60 Hz	Red	**XB5EVB4**	*15.00*
		Orange	**XB5EVB5**	*15.00*
		Blue	**XB5EVB6**	*15.00*
		Yellow	**XB5EVB8**	*15.00*
	110...120V	White	**XB5EVG1**	*17.00*
	50/60 Hz	Green	**XB5EVG3**	*17.00*
		Red	**XB5EVG4**	*17.00*
		Orange	**XB5EVG5**	*17.00*
		Blue	**XB5EVG6**	*17.00*
		Yellow	**XB5EVG8**	*17.00*
	230…240V	White	**XB5EVM1**	*18.70*
	50/60 Hz	Green	**XB5EVM3**	*18.70*
		Red	**XB5EVM4**	*18.70*
		Orange	**XB5EVM5**	*18.70*
		Blue	**XB5EVM6**	*18.70*
		Yellow	**XB5EVM8**	*18.70*

Control and signalling units Ø16

Harmony® XB6, plastic
Spring return illuminated pushbuttons, with integral LED

unit price (excl. GST in Singapore Dollars)

Illuminated pushbuttons (with 12…24 V LED included)

Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body (*) Reference	Body (*) Price(S$)
Flush of push									
	1	-	White	**XB6DW1B1B**	*29.00*	**ZB6DW1**	*9.00*	**ZB6ZB11B**	*20.00*
			Green	**XB6DW3B1B**	*29.00*	**ZB6DW3**	*9.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6DW4B2B**	*29.00*	**ZB6DW4**	*9.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6DW1B5B**	*31.00*	**ZB6DW1**	*9.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6DW3B5B**	*31.00*	**ZB6DW3**	*9.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6DW4B5B**	*31.00*	**ZB6DW4**	*9.00*	**ZB6ZB45B***	*22.00*
	1	-	White	**XB6CW1B1B**	*30.00*	**ZB6CW1**	*10.00*	**ZB6ZB11B**	*20.00*
			Green	**XB6CW3B1B**	*30.00*	**ZB6CW3**	*10.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6CW4B2B**	*30.00*	**ZB6CW4**	*10.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6CW1B5B**	*32.00*	**ZB6CW1**	*10.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6CW3B5B**	*32.00*	**ZB6CW3**	*10.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6CW4B5B**	*32.00*	**ZB6CW4**	*10.00*	**ZB6ZB45B***	*22.00*
	1	-	White	**XB6AW1B1B**	*29.00*	**ZB6AW1**	*8.00*	**ZB6ZB11B**	*20.00*
			Green	**XB6AW3B1B**	*29.00*	**ZB6AW3**	*9.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6AW4B2B**	*29.00*	**ZB6AW4**	*9.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6AW1B5B**	*31.00*	**ZB6AW1**	*8.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6AW3B5B**	*31.00*	**ZB6AW3**	*9.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6AW4B5B**	*31.00*	**ZB6AW4**	*9.00*	**ZB6ZB45B***	*22.00*
Projecting of push									
	1	-	Green	**XB6DE3B1B**	*35.00*	**ZB6DE3**	*15.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6DE4B2B**	*35.00*	**ZB6DE4**	*15.00*	**ZB6ZB42B***	*20.00*
	1	-	Green	**XB6CE3B1B**	*35.00*	**ZB6CE3**	*15.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6CE4B2B**	*35.00*	**ZB6CE4**	*15.00*	**ZB6ZB42B***	*20.00*
	1	-	Green	**XB6AE3B1B**	*35.00*	**ZB6AE3**	*15.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6AE4B2B**	*35.00*	**ZB6AE4**	*15.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6AE1B5B**	*37.00*	**ZB6AE1**	*15.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6AE3B5B**	*37.00*	**ZB6AE3**	*15.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6AE4B5B**	*37.00*	**ZB6AE4**	*15.00*	**ZB6ZB45B***	*22.00*

(#) Complete units will not be entitled for exchange. Please order head and component(*) references.

Body (*)	Component	Price(S$)	Body (*)	Component	Price(S$)
ZB6ZB15B*	**ZB6E2B**	*5.50*	**ZB6ZB42B***	**ZB6EB4B**	*13.00*
	ZB6EB1B	*9.50*		**ZB6Z2B**	*7.00*
	ZB6Z1B	*7.00*			
ZB6ZB31B*	**ZB6EB3B**	*13.00*	**ZB6ZB45B***	**ZB6E2B**	*5.50*
	ZB6Z1B	*7.00*		**ZB6EB4B**	*9.50*
				ZB6Z1B	*7.00*
ZB6ZB35B*	**ZB6E2B**	*5.50*			
	ZB6EB3B	*9.50*			
	ZB6Z1B	*7.00*			

Life Is On Schneider Electric

Control and signalling units Ø16

Harmony® XB6, plastic

Illuminated pushbuttons, latching, with integral LED

Pilot lights with integral LED

unit price (excl. GST in Singapore Dollars)

Illuminated pushbuttons, latching, flush of push (with 12…24 V LED included)

XB6 DF●●●B

XB6 CF●●●B

XB6 AF●●●B

Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body (*) Reference	Price(S$)
	1	-	Green	**XB6DF3B1B**	*36.00*	**ZB6DF3**	*16.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6DF4B2B**	*36.00*	**ZB6DF4**	*16.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6DF1B5B**	*38.00*	**ZB6DF1**	*16.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6DF3B5B**	*38.00*	**ZB6DF3**	*16.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6DF4B5B**	*38.00*	**ZB6DF4**	*16.00*	**ZB6ZB45B***	*22.00*
	1	-	Green	**XB6CF3B1B**	*35.00*	**ZB6CF3**	*15.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6CF4B2B**	*35.00*	**ZB6CF4**	*15.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6CF1B5B**	*37.00*	**ZB6CF1**	*15.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6CF3B5B**	*37.00*	**ZB6CF3**	*15.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6CF4B5B**	*37.00*	**ZB6CF4**	*15.00*	**ZB6ZB45B***	*22.00*
	1	-	Green	**XB6AF3B1B**	*35.00*	**ZB6AF3**	*15.00*	**ZB6ZB31B***	*20.00*
	-	1	Red	**XB6AF4B2B**	*35.00*	**ZB6AF4**	*15.00*	**ZB6ZB42B***	*20.00*
	1	1	White	**XB6AF1B5B**	*37.00*	**ZB6AF1**	*15.00*	**ZB6ZB15B***	*22.00*
			Green	**XB6AF3B5B**	*37.00*	**ZB6AF3**	*15.00*	**ZB6ZB35B***	*22.00*
			Red	**XB6AF4B5B**	*37.00*	**ZB6AF4**	*15.00*	**ZB6ZB45B***	*22.00*

Pilot lights (with 12…24 V LED included)

XB6 DV●BB

XB6 CV●BB

XB6 AV●BB

Shape of head	Colour of lens cap	Complete unit Reference	Price(S$)	Head Reference	Price(S$)	Body Reference	Price(S$)
	White	**XB6DV1BB**	*18.50*	**ZB6DV1**	*5.50*	**ZB6EB1B**	*13.00*
	Green	**XB6DV3BB**	*18.50*	**ZB6DV3**	*5.50*	**ZB6EB3B**	*13.00*
	Red	**XB6DV4BB**	*18.50*	**ZB6DV4**	*5.50*	**ZB6EB4B**	*13.00*
	Yellow	**XB6DV5BB**	*18.50*	**ZB6DV5**	*5.50*	**ZB6EB5B**	*13.00*
	White	**XB6CV1BB**	*18.50*	**ZB6CV1**	*5.50*	**ZB6EB1B**	*13.00*
	Green	**XB6CV3BB**	*18.50*	**ZB6CV3**	*5.50*	**ZB6EB3B**	*13.00*
	Red	**XB6CV4BB**	*18.50*	**ZB6CV4**	*5.50*	**ZB6EB4B**	*13.00*
	Yellow	**XB6CV5BB**	*18.50*	**ZB6CV5**	*5.50*	**ZB6EB5B**	*13.00*
	White	**XB6AV1BB**	*18.50*	**ZB6AV1**	*5.50*	**ZB6EB1B**	*13.00*
	Green	**XB6AV3BB**	*18.50*	**ZB6AV3**	*5.50*	**ZB6EB3B**	*13.00*
	Red	**XB6AV4BB**	*18.50*	**ZB6AV4**	*5.50*	**ZB6EB4B**	*13.00*
	Yellow	**XB6AV5BB**	*18.50*	**ZB6AV5**	*5.50*	**ZB6EB5B**	*13.00*

(#) Complete units will not be entitled for exchange. Please order head and component(*) references.

Body (*)	Component	Price(S$)	Body (*)	Component	Price(S$)
ZB6ZB15B*	**ZB6E2B**	*5.50*	**ZB6ZB42B***	**ZB6EB4B**	*13.00*
	ZB6EB1B	*9.50*		**ZB6Z2B**	*7.00*
	ZB6Z1B	*7.00*			
ZB6ZB31B*	**ZB6EB3B**	*13.00*	**ZB6ZB45B***	**ZB6E2B**	*5.50*
	ZB6Z1B	*7.00*		**ZB6EB4B**	*9.50*
				ZB6Z1B	*7.00*
ZB6ZB35B*	**ZB6E2B**	*5.50*			
	ZB6EB3B	*9.50*			
	ZB6Z1B	*7.00*			

Control and signalling units Ø16

Harmony® XB6, plastic Pushbuttons, Spring return and Emergency stop devices

unit price (excl. GST in Singapore Dollars)

Pushbuttons, spring return with flush push

XB6-DA●●B

XB6-CA●●B

XB6-AA●●B

Shape of head	Type of contact N/O	Type of contact N/C	Colour	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	-	White	**XB6DA11B**	*21.00*	**ZB6DA1**	*14.00*	**ZB6Z1B**	*7.00*
			Green	**XB6DA31B**	*21.00*	**ZB6DA3**	*14.00*	**ZB6Z1B**	*7.00*
	-	1	Black	**XB6DA22B**	*21.00*	**ZB6DA2**	*14.00*	**ZB6Z2B**	*7.00*
			Red	**XB6DA42B**	*21.00*	**ZB6DA4**	*14.00*	**ZB6Z2B**	*7.00*
	1	1	White	**XB6DA15B**	*25.00*	**ZB6DA1**	*14.00*	**ZB6Z5B**	*11.00*
			Black	**XB6DA25B**	*25.00*	**ZB6DA2**	*14.00*	**ZB6Z5B**	*11.00*
			Green	**XB6DA35B**	*25.00*	**ZB6DA3**	*14.00*	**ZB6Z5B**	*11.00*
			Red	**XB6DA45B**	*25.00*	**ZB6DA4**	*14.00*	**ZB6Z5B**	*11.00*
	1	-	White	**XB6CA11B**	*21.00*	**ZB6CA1**	*14.00*	**ZB6Z1B**	*7.00*
			Green	**XB6CA31B**	*21.00*	**ZB6CA3**	*14.00*	**ZB6Z1B**	*7.00*
	-	1	Black	**XB6CA22B**	*21.00*	**ZB6CA2**	*14.00*	**ZB6Z2B**	*7.00*
			Red	**XB6CA42B**	*21.00*	**ZB6CA4**	*14.00*	**ZB6Z2B**	*7.00*
	1	1	White	**XB6CA15B**	*25.00*	**ZB6CA1**	*14.00*	**ZB6Z5B**	*11.00*
			Black	**XB6CA25B**	*25.00*	**ZB6CA2**	*14.00*	**ZB6Z5B**	*11.00*
			Green	**XB6CA35B**	*25.00*	**ZB6CA3**	*14.00*	**ZB6Z5B**	*11.00*
			Red	**XB6CA45B**	*25.00*	**ZB6CA4**	*14.00*	**ZB6Z5B**	*11.00*
	1	-	White	**XB6AA11B**	*21.00*	**ZB6AA1**	*14.00*	**ZB6Z1B**	*7.00*
			Green	**XB6AA31B**	*21.00*	**ZB6AA3**	*14.00*	**ZB6Z1B**	*7.00*
	-	1	Black	**XB6AA22B**	*21.00*	**ZB6AA2**	*14.00*	**ZB6Z2B**	*7.00*
			Red	**XB6AA42B**	*21.00*	**ZB6AA4**	*14.00*	**ZB6Z2B**	*7.00*
	1	1	White	**XB6AA15B**	*25.00*	**ZB6AA1**	*14.00*	**ZB6Z5B**	*11.00*
			Black	**XB6AA25B**	*25.00*	**ZB6AA2**	*14.00*	**ZB6Z5B**	*11.00*
			Green	**XB6AA35B**	*25.00*	**ZB6AA3**	*14.00*	**ZB6Z5B**	*11.00*
			Red	**XB6AA45B**	*25.00*	**ZB6AA4**	*14.00*	**ZB6Z5B**	*11.00*

(#) Complete units will not be entitled for exchange.

Emergency stop trigger action and mechanical latching pushbuttons Ø30 (red)

XB6 AS8349B

XB6 AS9349B

Shape of head	Type of contact N/O	Type of contact N/C	Type of reset	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	-	2	**Turn to** release	**XB6AS8349B**	*44.00*	**ZB6AS834**	*33.00*	**ZB6Z5B**	*11.00*
	-	2	**Key** release (key no. 200)	**XB6AS9349B**	*54.00*	**ZB6AS934**	*43.00*	**ZB6Z5B**	*11.00*

Life Is On Schneider Electric

Control and signalling units Ø16

Harmony® XB6, plastic

Selector switches and key switches

unit price (excl. GST in Singapore Dollars)

Selector switches with standard black handle (switching angle: 60°)

XB6 AD●●●B

Shape of head	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	-	2-stay put		**XB6AD221B**	*34.00*	**ZB6AD22**	*27.00*	**ZB6Z1B**	*7.00*
	1	1	2-stay put		**XB6AD225B**	*38.00*	**ZB6AD22**	*27.00*	**ZB6Z5B**	*11.00*
			3-stay put		**XB6AD235B**	*38.00*	**ZB6AD23**	*27.00*	**ZB6Z5B**	*11.00*

Key switches (Ronis key no. 200) *(1)*

XB6 AG●●B

Shape of head	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	1	2-stay put		**XB6AGC5B**	*41.00*	**ZB6AGC**	*30.00*	**ZB6Z5B**	*11.00*
			3-stay put		**XB6AGH5B**	*60.00*	**ZB6AGH**	*45.90*	**ZB6Z5B**	*11.00*

(1) Key n° 200, withdrawal from all positions.

Control and signalling units Ø22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Pushbuttons

Shape of head	Type of contact N/O	Type of contact N/C	Colour of push	Sold in lots of	Unit Reference	*Price(S$)*
Spring return pushbutton without marking						
Flush	1	-	White	*10*	**XB7NA11**	*5.50*
	1	-	Black	*10*	**XB7NA21**	*5.50*
	1	-	Green	*10*	**XB7NA31**	*5.50*
	1	-	Yellow	*10*	**XB7NA81**	*5.50*
	1	1	White	*10*	**XB7NA15**	*6.00*
	1	1	Black	*10*	**XB7NA25**	*6.00*
	1	1	Green	*10*	**XB7NA35**	*6.00*
	1	1	Red	*10*	**XB7NA45**	*6.00*
	1	1	Blue	*10*	**XB7NA65**	*6.00*
	1	1	Yellow	*10*	**XB7NA85**	*6.00*
	-	1	Red	*10*	**XB7NA42**	*5.50*
	2	-	Black	*10*	**XB7NA23**	*6.00*
	2	-	Green	*10*	**XB7NA33**	*6.00*
	-	2	Red	*10*	**XB7NA44**	*6.00*
Projecting	-	1	Red	*10*	**XB7NL42**	*5.50*
	1	1	Red	*10*	**XB7NL45**	*6.00*
	-	2	Red	*10*	**XB7NL44**	*6.00*
Latching pushbutton without marking						
Flush	1	-	Black	*10*	**XB7NH21**	*10.50*
	1	-	Green	*10*	**XB7NH31**	*10.50*
	1	1	Black	*10*	**XB7NH25**	*11.10*
	1	1	Green	*10*	**XB7NH35**	*11.10*
	1	-	Yellow	*10*	**XB7NH81**	*10.50*

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Pushbuttons (Continued)

XB7 NA3133

XB7 NA4234

XB7 NL4232

Shape of head	Type of contact N/O	Type of contact N/C	Marking Text	Marking colour	Colour of push	Sold in lots of	Unit Reference	Price(S$)
Spring return pushbutton with marking								
Flush	1	-	I	White	Green	*10*	**XB7NA3131**	*6.20*
	1	-	II	White	Green	*10*	**XB7NA3136**	*6.20*
	1	-	START	White	Green	*10*	**XB7NA3133**	*6.20*
	1	-	⬇	Black	White	*10*	**XB7NA11343**	*6.20*
	1	-	⬆	Black	White	*10*	**XB7NA11341**	*6.20*
	1	-	⇩	White	Black	*10*	**XB7NA21343**	*6.20*
	1	-	⇧	White	Black	*10*	**XB7NA21341**	*6.20*
	-	1	O	White	Red	*10*	**XB7NA4232**	*6.20*
	-	1	STOP	White	Red	*10*	**XB7NA4234**	*6.20*
	2	-	I	White	Green	*10*	**XB7NA3331**	*8.30*
	2	-	II	White	Green	*10*	**XB7NA3336**	*8.30*
	2	-	START	White	Green	*10*	**XB7NA3333**	*8.30*
	1	1	O	White	Red	*10*	**XB7NA4532**	*8.30*
	1	1	STOP	White	Red	*10*	**XB7NA4534**	*8.30*
	1	1	⬇	Black	White	*10*	**XB7NA15343**	*8.30*
	1	1	⬆	Black	White	*10*	**XB7NA15341**	*8.30*
	1	1	⇩	White	Black	*10*	**XB7NA25343**	*8.30*
	1	1	⇧	White	Black	*10*	**XB7NA25341**	*8.30*
Projecting	-	1	O	White	Red	*10*	**XB7NL4232**	*7.20*
	-	1	STOP	White	Red	*10*	**XB7NL4234**	*7.20*
	1	1	O	White	Red	*10*	**XB7NL4532**	*9.20*
	1	1	STOP	White	Red	*10*	**XB7NL4534**	*9.20*

Control and signalling units Ø22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Illuminated pushbuttons, with protecting push and integral LED

XB7 NW33●1

With integral LED

Shape of head	Type of push	Colour of lens	Sold in lots of	Unit references *(1)* 24V a.c./d.c.	Price(S$)	120V a.c.	Price(S$)	230V a.c.	Price(S$)
	Spring return push	Green	10	**XB7NW33B1**	*15.60*	**XB7NW33G1**	*18.00*	**XB7NW33M1**	*20.90*
		Red	10	**XB7NW34B1**	*15.60*	**XB7NW34G1**	*18.00*	**XB7NW34M1**	*20.90*
			10	**XB7NW34B2**	*15.60*	**XB7NW34G2**	*18.00*	**XB7NW34M2**	*20.90*
		Orange	10	**XB7NW35B1**	*15.60*	**XB7NW35G1**	*18.00*	**XB7NW35M1**	*20.90*
		Blue	10	**XB7NW36B1**	*15.60*	**XB7NW36G1**	*18.00*	**XB7NW36M1**	*20.90*
		Clear	10	**XB7NW37B1**	*15.60*	**XB7NW37G1**	*18.00*	**XB7NW37M1**	*20.90*
		Yellow	10	**XB7NW38B1**	*15.60*	**XB7NW38G1**	*18.00*	**XB7NW38M1**	*20.90*
	Latching push	Green	10	**XB7NJ03B1**	*27.80*	**XB7NJ03G1**	*30.00*	**XB7NJ03M1**	*36.70*
		Red	10	**XB7NJ04B1**	*27.80*	**XB7NJ04G1**	*30.00*	**XB7NJ04M1**	*36.70*
			10	**XB7NJ04B2**	*27.80*	**XB7NJ04G2**	*30.00*	**XB7NJ04M2**	*36.70*
		Orange	10	**XB7NJ05B1**	*27.80*	**XB7NJ05G1**	*30.00*	**XB7NJ05M1**	*36.70*
		Blue	10	**XB7NJ06B1**	*27.80*	**XB7NJ06G1**	*30.00*	**XB7NJ06M1**	*36.70*
		Clear	10	**XB7NJ07B1**	*27.80*	**XB7NJ07G1**	*30.00*	**XB7NJ07M1**	*36.70*
		Yellow	10	**XB7NJ08B1**	*27.80*	**XB7NJ08G1**	*30.00*	**XB7NJ08M1**	*36.70*

XB7 NW3361

With BA 9s base fitting *(2)*

Shape of head	Type of push	Colour of lights	Sold in lots of	Unit references *(1)* 250V a.c. max	Price(S$)
	Spring return	Green	10	**XB7NW3361**	*8.80*
		Red	10	**XB7NW3461**	*8.80*
		Orange	10	**XB7NW3561**	*8.80*
		Blue	10	**XB7NW3661**	*8.80*
		Clear	10	**XB7NW3761**	*8.80*
		Yellow	10	**XB7NW3861**	*8.80*
	Latching	Green	10	**XB7NJ0361**	*14.20*
		Red	10	**XB7NJ0461**	*14.20*
		Orange	10	**XB7NJ0561**	*14.20*
		Blue	10	**XB7NJ0661**	*14.20*
		Clear	10	**XB7NJ0761**	*14.20*
		Yellow	10	**XB7NJ0861**	*14.20*

*(1) All product references ending in "1" are for products with "NO" contacts (example: **XB7NW34B1**).*

*All product references ending in "2" are for products with "NC" contacts (example: **XB7 NW34B2**)*

(2) Bulb, 1.2W maximum, to be ordered separately.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Pilot lights

With integral LED

With integral LED Shape of head	Type of light source (included)	Supply voltage (V)	Colour of lens	Sold in lots of	Unit reference	Price(S$)
	Integral LED	**24V a.c./d.c.**	Green	10	**XB7EV03BP**	*7.60*
			Red	10	**XB7EV04BP**	*7.60*
			Yellow	10	**XB7EV05BP**	*7.60*
			Blue	10	**XB7EV06BP**	*7.60*
			Clear	10	**XB7EV07BP**	*7.60*
			Orange	10	**XB7EV08BP**	*7.60*
		120V a.c.	Green	10	**XB7EV03GP**	*7.60*
			Red	10	**XB7EV04GP**	*7.60*
			Yellow	10	**XB7EV05GP**	*7.60*
			Blue	10	**XB7EV06GP**	*7.60*
			Clear	10	**XB7EV07GP**	*7.60*
			Orange	10	**XB7EV08GP**	*7.60*
		230V a.c.	Green	10	**XB7EV03MP**	*7.60*
			Red	10	**XB7EV04MP**	*7.60*
			Yellow	10	**XB7EV05MP**	*7.60*
			Blue	10	**XB7EV06MP**	*7.60*
			Clear	10	**XB7EV07MP**	*7.60*
			Orange	10	**XB7EV08MP**	*7.60*

With BA 9s base fitting *(1)(2)*

Shape of head	Supply	Supply voltage (V)	Colour of lens	Sold in lots of	Unit reference	Price(S$)
	Direct, through resistor, for bulb (included) 130V, 2.6W max.	230V~, 50-60 Hz	Green	10	**XB7EV73P**	*8.10*
			Red	10	**XB7EV74P**	*8.10*
			Yellow	10	**XB7EV75P**	*8.10*
			Blue	10	**XB7EV76P**	*8.10*
			Clear	10	**XB7EV77P**	*8.10*
			Orange	10	**XB7EV78P**	*8.10*
	Direct for BA 9s base fitting incandescent bulb *(1)*	≤ 250V *(2)*	Green	10	**XB7EV63P**	*4.50*
			Red	10	**XB7EV64P**	*4.50*
			Yellow	10	**XB7EV65P**	*4.50*
			Blue	10	**XB7EV66P**	*4.50*
			Clear	10	**XB7EV67P**	*4.50*
			Orange	10	**XB7EV68P**	*4.50*

(1) Bulb is not included.

(2) Bulb characteristics for direct supply pilot lights: 2.6 W maximum.

Control and signalling units Ø22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Selector switches and key switches

	Shape of head	Type of operator	Type of Contact NO	Type of Contact NC	Number and type of positions (1)	Sold in lots of	Unit Reference	Price(S$)
XB7 ND2•		**Standard handle. black**	1	-	2, stay put	10	**XB7ND21**	*8.90*
			1	1	2, stay put	10	**XB7ND25**	*10.30*
			2	-	3, stay put	10	**XB7ND33**	*11.10*
XB7 NG33		**Key** (key n° 455)	1	-	2, key withdrawal in LH position	10	**XB7NG21**	*16.30*
			2	-	3, key withdrawal in centre position	10	**XB7NG33**	*19.90*

Monolithic Ø40 mm Emergency stop trigger action and Emergency switching off

	Shape of head	Type of push	Type of Contact NO	Type of Contact NC	Colour of push	Sold in lots of	Unit Reference	Price(S$)
XB7NS8445		**Turn to release**	-	1	Red	10	**XB7NS8442**	*15.10*
			1	1	Red	10	**XB7NS8445**	*16.80*
		Key release (key n° 455)	-	2	Red	10	**XB7NS9444**	*25.10*
			1	1	Red	10	**XB7NS9445**	*25.10*

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5R wireless

Plastic and Metal batteryless pushbuttons

unit price (excl. GST in Singapore Dollars)

Ready to use Packs

Description	Transmitter type	Voltage receiver	Receiver type	Sold in lots of	Unit Reference	Price(S$)
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar, - 1 receiver pushbutton and receiver are factory-paired.	**Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head + 1 set of 10 different colored caps (1 cap to be selected and fitted)**	24…240V a.c./d.c.	Configurable receiver ZBRRA equipped with: - choice of 3 output functions (monostable, bistable, stop/start) - 2 relay outputs type RT 3A (2), - 2 buttons (teach, parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	1	**XB5RFA02**	*450.00*
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. metallic head + 1 set of 10 different colored caps (1 cap to be selected and fitted)			1	**XB4RFA02**	*615.00*

Description	Transmitter type	Voltage receiver	Receiver type	Sold in lots of	Unit Reference	Price(S$)
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar, - 1 receiver pushbutton and receiver are factory-paired.	**Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head + 1 black cap not fitted**	24d.c.	Non-configurable receiver equipped with monostable output function: - 1 relay output type RT 3A - without button - without indicating LED	1	**XB5RFB01**	*223.00*
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. metallic head + 1 black cap not fitted			1	**XB4RFB01**	*293.00*

Control and signalling units Ø22

Harmony® XB5R wireless

Plastic and Metal batteryless pushbuttons

unit price (excl. GST in Singapore Dollars)

Ready to use Packs

XB5RFA02

Description	Transmitter type	Voltage receiver	Receiver type	Sold in lots of	Unit Reference	Price(S$)
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar, in handy box (3), - 1 receiver pushbutton and receiver are factory-paired.	**Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head mounted in a handy box + 1 set of 10 different colored caps (1 cap to be selected and fitted)**	24…240V a.c./d.c.	Configurable receiver ZBRRA equipped with: - choice of 3 output functions (monostable, bistable, stop/start) - 2 relay outputs type RT 3A (2), - 2 buttons (teach, parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	1	**XB5RMA04**	*715.00*

Description	Transmitter type	Voltage receiver	Receiver type	Sold in lots of	Unit Reference	Price(S$)
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar, in handy box (3), - 1 receiver pushbutton and receiver are factory-paired.	**Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head mounted in a handy box + 1 black cap not fitted**	24d.c.	Non-configurable receiver equipped with monostable output function: - with 1 relay output type RT 3A - without button - without indicating LED	1	**XB5RMB03**	*381.00*

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5R wireless

Plastic and Metal batteryless pushbuttons

unit price (excl. GST in Singapore Dollars)

ZBRT1

ZB4RZA0

ZB5RTA4

ZB5RZC2

ZB5RTC2

ZBRP1

Transmitter components for wireless and batteryless pushbuttons

Description	Type of push	Color	Sold in lots of	Unit reference	Price(S$)
Transmitter for wireless and batteryless pushbutton (1) (2)	**-**		10	**ZBRT1**	*129.00*
Spring return pushbutton heads for transmitter ZBRT1	**Flush (plastic)**	Without cap (3)	10	**ZB5RZA0**	*22.00*
	Flush (metal)	Without cap (3)	10	**ZB4RZA0**	*23.00*
Wireless and batteryless pushbuttons including: - a transmitter fitted with fixing collar - a spring return pushbutton head with clipped-in cap (4)	**Flush (plastic)**	White		**ZB5RTA1**	*152.40*
		Black		**ZB5RTA2**	*152.40*
		Green		**ZB5RTA3**	*152.40*
		White I on green background		**ZB5RTA331**	*152.40*
		Red		**ZB5RTA4**	*152.40*
		White O on red background		**ZB5RTA432**	*152.40*
		Yellow		**ZB5RTA5**	*152.40*
		Blue		**ZB5RTA6**	*152.40*
	Flush (metal)	White		**ZB4RTA1**	*164.10*
		Black		**ZB4RTA2**	*164.10*
		Green		**ZB4RTA3**	*164.10*
		White I on green background		**ZB4RTA331**	*164.10*
		Red		**ZB4RTA4**	*164.10*
		White O on red background		**ZB4RTA432**	*164.10*
		Yellow		**ZB5RTA5**	*164.10*
		Blue		**ZB4RTA6**	*164.10*
Spring return mushroom head for transmitter ZBRT1	Mushroom 40 mm/1.58 in. (plastic)	Black		**ZB5RZC2**	*25.00*
Wireless and batteryless pushbutton including: - a transmitter fitted with fixing collar - a spring return mushroom head	Mushroom 40 mm/1.58 in. (plastic)	Black		**ZB5RTC2**	*159.00*

Transmitter components for wireless and batteryless rope pull switch

Description	Application	Sold in lots of	Unit reference	Price(S$)
Rope pull switch with wireless and batteryless transmitter	For automatic doors: The rope pull switch sends a radio message to the receiver placed in the control panel to open and close the door.		**ZBRP1**	*170.00*

(1)Fixing collar ZB5AZ009 (plastic) or ZB4BZ009 (metal) to be ordered separately.

(2) Only heads ZB4RZA0 and ZB5RZA0 are mechanically compatible.

(3) Cap to be ordered separately.

(4)This cap is fitted by Schneider Electric and cannot be removed (risk of damage).

Control and signalling units Ø22

Harmony® XB5R wireless
Plastic and Metal batteryless pushbuttons

unit price (excl. GST in Singapore Dollars)

XALD02

ZBRA1

Configurable receivers

Description	Output function	Output type	Receiver voltage V	Sold in lots of	Unit reference	Price(S$)
Configurable receivers (1) equipped with: - 2 buttons (teach and parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	**Monostable**	**4 PNP outputs, 200 mA /24 V**	24d.c.	1	**ZBRRC**	*396.00*
	Monostable, Bistable	**2 relay outputs type RT 3A (2)**	24…240V a.c./d.c.	1	**ZBRRD**	*373.65*
	Monostable, Bistable, Stop/Start	**2 relay outputs type RT 3A (2)**	24…240V a.c./d.c.	1	**ZBRRA**	*306.00*

Accessories

Boxes for wireless and batteryless pushbuttons

Product	Application	Description	Sold in lots of	Unit reference	Price(S$)
Handy box, plastic, empty (3) (4)	For mobile wireless and batteryless pushbuttons	1 cut-out	1	**ZBRM21**	*70.00*
Empty plastic boxes for wireless and batteryless pushbuttons (5)	For fixed or on-board wireless and batteryless pushbuttons	1 cut-out	1	**XALD01**	*24.00*
		2 cut-outs	1	**XALD02**	*27.00*
Relay-antenna (6)	Between transmitter and receiver Used to increase the range and/or get round obstacles	24…240V a.c./d.c. v 5 m/16.4 ft cable v 1 power-ON LED v 2 LEDs reception /transmission	1	**ZBRA1**	*164.00*
Fixing collar	–	Plastic	10	**ZB5AZ009**	*2.00*
		Metal	10	**ZB4BZ009**	*3.00*

(1) Each receiver can be actuated by up to 32 transmitters.

(2) Receivers supplied are set to monostable output function. The user can configure it to bistable and stop/start functions.

(3) Cannot be used for wired contacts (no cable gland outlet)

(4) Supplied with a magnet to be stuck on by the customer.

(5) Box equipped with cable gland outlets, compatible with Harmony® ZB5 pushbutton heads.

(6) Not wired to the receiver.

Life Is On Schneider Electric

Control and signalling units Ø22

Harmony® XB5R wireless
ATEX range batteryless pushbuttons

unit price (excl. GST in Singapore Dollars)

Presentation

The Harmony® ATEX range of wireless and batteryless pushbuttons are designed for industries where explosive atmospheres can be present. This range can be ideally used for environments where the generation of possible ignition sources can be prevented and controlled.

XB5R IECEx is certified for:
bb Dust applications (Group III, D mode) for zone 21 and zone 22
bb Gas applications (Group II, G mode) for zone 1 and zone 2
bb Mining applications (Group I) for equipment category Mb

ATEX certification
ATEX IECEx certification has a detailed procedure for testing and inspecting the equipment made for use in potentially hazardous areas. The results obtained after this procedure enable an ATEX certificate to be issued, together with a report confirming and demonstrating that the product can be used safely in potentially explosive atmospheres (in line with the given parameters).

Transmitter components for wireless and batteryless pushbuttons

ZB5RTA0EX

ZBRP1EX

ZBRM01EX

ZBRM01BEX

XAWGR100EX

XAWGR200EX

XAWGR300EX

Description	Type of category and group	Type of Push	Sold in lots of	Unit reference	Price(S$)
Spring return pushbutton equipped with transmitter and fixing collar for hazardous locations. batteryless pushbutton (1) (2)	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	Flush (Plastic)	1	**ZB5RTA0EX**	*323.00*
	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	Flush (Metal)	1	**ZB4RTA0EX**	*340.00*

Transmitter components for wireless and batteryless rope pull switch

Description	Type of category and group	Type of Push	Sold in lots of	Unit reference	Price(S$)
Rope pull switch for hazardous locations.	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	Plastic	1	**ZBRP1EX**	*646.00*

Handy boxes for wireless and batteryless pushbuttons

Description	Type of category and group	Type of Push	Sold in lots of	Unit reference	Price(S$)
Mobile Handy box equipped with wireless and batteryless pushbutton,fixing collar, and 1 set of six different colored caps.	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	1 spring return pushbutton with leather protection	1	**ZBRM01EX**	*833.00*
	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	1 spring return pushbutton	1	**ZBRM01BEX**	*680.00*

Plastic boxes for wireless and batteryless pushbuttons

Description	Type of category and group	Type of Push	Sold in lots of	Unit reference	Price(S$)
Plastic box equipped with wireless and batteryless pushbutton and 1 set of six different colored caps. Used with fixed wireless and batteryless pushbutton.	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	1 plastic spring return pushbutton	1	**XAWGR100EX**	*754.00*
	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	2 plastic spring return pushbuttons	1	**XAWGR200EX**	*1,230.00*
	Mining Ex ib I Mb Gas Ex ib IIC T6 Gb Dust Ex ib IIIC T85°C Db IP65	3 plastic spring return pushbuttons	1	**XAWGR300EX**	*1,697.00*

Control stations

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

unit price (excl. GST in Singapore Dollars)

Start or Stop function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XAL-D102

XAL-D115

XAL-D164

Description	Type of push	Type of contacts N/O	Type of contacts N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
1 spring return pushbutton	Flush green	1	-	I	**XALD102**	*42.00*
				Start	**XALD103**	*42.00*
		1	1	I	**XALD102E**	*51.00*
Marking on legend holder and legend below head						
1 spring return pushbutton	Flush green	1	-	Start	**XALD101H29**	*39.00*
	Flush red	-	1	Stop	**XALD111H29**	*39.00*
Marking on legend below head						
1 mushroom head pushbutton Ø 40mm **spring return**	Red	-	1	Arrêt	**XALD164**	*45.00*

Emergency Stop function, with trigger action (light grey base "RAL 7035", yellow lid "RAL 1012")

XALK178•

XALK188•

XALK198

Description	Type	Type of contacts N/O	Type of contacts N/C	Marking	Reference	Price (S$)
Unmarked						
1 mushroom head pushbutton Ø 40mm, red **Turn to release**	Trigger action	-	1	-	**XALK178**	*47.00*
		-	2	-	**XALK178F**	*57.00*
		1	1	-	**XALK178E**	*57.00*
		1	2	-	**XALK178G**	*67.00*
1 mushroom head pushbutton Ø 40mm, red **Key release** (key nº 455)	Trigger action	-	1	-	**XALK188**	*68.00*
		-	2	-	**XALK188F**	*75.00*
		1	1	-	**XALK188E**	*75.00*
		1	2	-	**XALK188G**	*84.00*
1 mushroom head pushbutton Ø 40mm, red **Push-pull**	Trigger action	-	1	-	**XALK198**	*50.00*

Life Is On Schneider Electric

Control stations

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Complete stations (screw clamp terminal connections)

unit price (excl. GST in Singapore Dollars)

Start-Stop function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XAL-D211H29

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
2 spring return pushbutton	1 flush green	1	-	I	**XALD213**	*64.00*
	1 flush red	-	1	O		
				Start	**XALD215**	*64.00*
				Stop		
		1	1	I	**XALD213E**	*81.00*
		1	1	O		
	1 flush green	1	-	I	**XALD214**	*64.00*
	1 projecting red	-	1	O		
				Start	**XALD225**	*64.00*
				Stop		
Marking on legend holder and legend below head						
2 spring return pushbutton	1 flush green	1	-	Start	**XALD211H29**	*57.00*
	1 flush red	-	1	Stop		
1 selector switch 2-position stay put	Standard handle	1	-	**O - I**	**XALD134**	*41.00*

XAL-D363B

Description	Type of push	Type of contacts N/O	N/C	Marking	Pilot light supply	Reference	Price (S$)
With pilot light and marking on pushbutton							
2 spring return pushbuttons and 1 pilot light with integral red LED	1 flush green	1	-	I	≃ 24	**XALD363B**	*95.00*
	1 flush red	-	1	O			
					~ 120	**XALD363G**	*99.00*
					~ 230	**XALD363M**	*106.00*

Two function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XAL-D222

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
2 spring return pushbuttons	1 flush white	1	-	⇧	**XALD222**	*64.00*
	1 flush black	1	-	⇩		
				⇨	**XALD223**	*64.00*
				⇦		
		1	1	⇧	**XALD222E**	*81.00*
		1	1	⇩		

Three function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XAL-D339

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
3 spring return pushbuttons	1 flush green	1	-	I	**XALD339**	*96.00*
	1 flush red	-	1	O		
	1 flush green	1	-	II		
	1 flush white	1	-	⇧	**XALD324**	*96.00*
	1 flush red	-	1	O		
	1 flush black	1	-	⇩		
	1 flush white	1	-	⇧	**XALD325**	*96.00*
	1 flush red	-	1	O		
	1 flush black	1	-	⇩		
2 spring return pushbuttons + 1 latching mushroom head pushbutton Ø 30mm	1 flush white	1	-	⇧	**XALD328**	*106.00*
	1 mushroom	-	1	O		
	head red (1)	1	-	⇩		
	1 flush black					

(1) Standard "turn to release".

Control stations

Control stations XAL

For Harmony® XB5 plastic Ø 22 control and signalling units

Stations for customer assembly

unit price (excl. GST in Singapore Dollars)

Empty enclosures

Description	Nos. of ways	Yellow lid "RAL 1012" for Emergency stop function Reference	Price (S$)	Dark grey lid "RAL 7016" Reference	Price (S$)
For normal environments (with stainless steel lid fixing screws)					
Light grey base "RAL 7035"	1	**XALK01**	*27.00*	**XALD01**	*24.00*
	2	**XALK02**	*30.00*	**XALD02**	*27.00*
	3	**XALK03**	*36.00*	**XALD03**	*32.00*
	4	**XALK04**	*52.00*	**XALD04**	*46.00*
	5	**XALK05**	*64.00*	**XALD05**	*56.00*

Electrical blocks and accessories (for mounting on metal plate at back of enclosure)

Description	Type	Colour	Sold in lots of	Unit reference	Unit Price (S$)
Electrical blocks with screw clamp terminal connections					
Standard contact blocks (1)	N/O contact	-	5	**ZENL1111**	*10.00*
	N/C contact	-	5	**ZENL1121**	*10.00*
Light blocks with integral LED (1) Protected LED	24V a.c./d.c.	White	5	**ZALVB1**	*12.00*
		Green	5	**ZALVB3**	*12.00*
		Red	5	**ZALVB4**	*12.00*
		Yellow	5	**ZALVB5**	*12.00*
		Blue	5	**ZALVB6**	*12.00*
	48…120V a.c.	White	5	**ZALVG1**	*16.00*
		Green	5	**ZALVG3**	*16.00*
		Red	5	**ZALVG4**	*16.00*
		Yellow	5	**ZALVG5**	*16.00*
		Blue	5	**ZALVG6**	*16.00*
	230…240V a.c.	White	5	**ZALVM1**	*22.00*
		Green	5	**ZALVM3**	*22.00*
		Red	5	**ZALVM4**	*22.00*
		Yellow	5	**ZALVM5**	*22.00*
		Blue	5	**ZALVM6**	*22.00*

Accessories for electrical blocks	For use with	Sold in lots of	Unit reference	Unit Price (S$)
Nut	Head fixing	10	**ZB5AZ901**	*2.00*

Unmarked heads for spring return pushbuttons

Shape of head	Colour of cap	Projecting Reference	Price (S$)	Flush Reference	Price (S$)
	White	**ZB5CL1**	*13.20*	**ZB5CA1**	*11.00*
	Black	**ZB5CL2**	*13.20*	**ZB5CA2**	*11.00*
	Green	**ZB5CL3**	*13.20*	**ZB5CA3**	*11.00*
	Red	**ZB5CL4**	*13.20*	**ZB5CA4**	*11.00*
	Yellow	**ZB5CL5**	*13.20*	**ZB5CA5**	*11.00*
	Blue	**ZB5CL6**	*13.20*	**ZB5CA6**	*11.00*

Heads for pilot lights

Shape of head		Colour	Reference	Price (S$)
For use with bodies comprising a light block With integral LED Protected LED		White	**ZB5CV013**	*9.90*
		Green	**ZB5CV033**	*9.90*
		Red	**ZB5CV043**	*9.90*
		Yellow	**ZB5CV053**	*9.90*
		Blue	**ZB5CV063**	*9.90*
		5 colours *(2)*	**ZB5CV003**	*18.10*

Heads for spring return illuminated pushbuttons

Shape of head		Type of push	Colour	Reference	Price (S$)
For use with bodies comprising a light block with integral LED Protected LED		Flush for insertion of legend	White	**ZB5CW313**	*15.40*
			Green	**ZB5CW333**	*15.40*
			Red	**ZB5CW343**	*15.40*
			Yellow	**ZB5CW353**	*15.40*
			Blue	**ZB5CW363**	*15.40*

(1) A maximum of 3 electrical blocks may be fitted per associated head.

(2) Head supplied with 5 coloured lenses (white, green, red, yellow, blue) for insertion of a legend.

Life Is On Schneider Electric

Signalling solutions

Harmony XVC Monolithic tower lights Ø 40 and Ø 60 mm, complete pre-wired tower lights

unit price (excl. GST in Singapore Dollars)

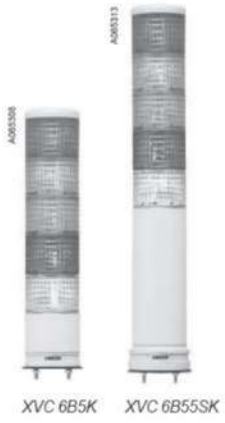
Complete, pre-wired tower lights Ø 40 mm

Description	Light source (included)	Voltage V	Signaling colours *(1)* Steady	Signaling colours *(1)* Flashing *(2)*	Reference	Price (S$)
For support tube mounting, 17 mm						
Without buzzer	LED for steady light only	≈ 24	R	–	**XVC4B1**	*102.00*
			R, O	–	**XVC4B2**	*122.00*
			R, O, G	–	**XVC4B3**	*145.00*
			R, O, G, B	–	**XVC4B4**	*162.00*
			R, O, G, B, C	–	**XVC4B5**	*182.00*
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R	**XVC4B15S**	*142.00*
			R, O	R, O	**XVC4B25S**	*162.00*
			R, O, G	R, O, G	**XVC4B35S**	*186.00*
			R, O, G, B	R, O, G, B	**XVC4B45S**	*217.00*
			R, O, G, B, C	R, O, G, B, C	**XVC4B55S**	*243.00*
For base mounting						
Without buzzer	LED for steady light only	≈ 24	R	–	**XVC4B1K**	*93.00*
			R, O	–	**XVC4B2K**	*114.00*
			R, O, G	–	**XVC4B3K**	*137.00*
			R, O, G, B	–	**XVC4B4K**	*154.00*
			R, O, G, B, C	–	**XVC4B5K**	*174.00*

Accessories for support tube mounting

Description	Diameter mm	Minimun height to be added mm	Reference	Price (S$)
Metal fixing plate	90	32	**XVCZ11**	*48.00*
Plastic fixing plate	84	24.5	**XVCZ01**	*34.00*

Complete, pre-wired tower lights Ø 60 mm



Description	Light source (included)	Voltage V	Signaling colours *(1)* Steady	Signaling colours *(1)* Flashing *(2)*	Reference	Price (S$)
For support tube mounting, 22 mm						
Without buzzer	LED for steady light only	≈ 24	R	–	**XVC6B1**	*135.00*
			R, O	–	**XVC6B2**	*152.00*
			R, O, G	–	**XVC6B3**	*176.00*
			R, O, G, B	–	**XVC6B4**	*202.00*
			R, O, G, B, C	–	**XVC6B5**	*236.00*
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R	**XVC6B15S**	*195.00*
			R, O	R, O	**XVC6B25S**	*214.00*
			R, O, G	R, O, G	**XVC6B35S**	*241.00*
			R, O, G, B	R, O, G, B	**XVC6B45S**	*292.00*
			R, O, G, B, C	R, O, G, B, C	**XVC6B55S**	*326.00*
For base mounting						
Without buzzer	LED for steady light only	≈ 24	R	–	**XVC6B1K**	*122.00*
			R, O	–	**XVC6B2K**	*142.00*
			R, O, G	–	**XVC6B3K**	*162.00*
			R, O, G, B	–	**XVC6B4K**	*182.00*
			R, O, G, B, C	–	**XVC6B5K**	*203.00*
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R	**XVC6B15SK**	*162.00*
			R, O	R, O	**XVC6B25SK**	*182.00*
			R, O, G	R, O, G	**XVC6B35SK**	*213.00*
			R, O, G, B	R, O, G, B	**XVC6B45SK**	*253.00*
			R, O, G, B, C	R, O, G, B, C	**XVC6B55SK**	*283.00*

Accessories for support tube mounting

Description	Diameter mm	Minimun height to be added mm	Reference	Price (S$)
Metal fixing plate for XVC6B• and XVC6B•5S	100	30	**XVCZ02**	*46.20*
Metal fixing plate for XVC6B• K and XVC6B•5SK	81	21.6	**XVCZ12**	*68.00*

(1) Signaling colours: R: Red, G: Green, O: Orange, B: Blue, C: Clear. The colours are listed in the same order as the mounting order of the illuminated units (from top to bottom).

(2) Flashing function can be simply selected/programmed by wiring.

Signalling solutions

Harmony XVG Monolithic tower lights Ø 60 mm, Pre-assembled and pre-cabled tower lights

unit price (excl. GST in Singapore Dollars)

Pre-assembled and pre-cabled tower lights z 24 V, Ø 60 mm

Description	Light source (included)	Degree of protection	Signaling colours *(1)* Steady	Reference	Price (S$)
With base mounting					
Without buzzer	LED for steady light	IP53	Red, Green	**XVGB2W**	*33.50*
			Red, Amber, Green	**XVGB3W**	*40.10*
			Red, Amber, Green, Blue	**XVGB4W**	*49.40*
With buzzer	LED for steady light	IP42	Red, Green	**XVGB2SW**	*48.70*
			Red, Amber, Green	**XVGB3SW**	*56.80*
			Red, Amber, Green, Blue	**XVGB4SW**	*68.10*
With direct aluminium tube mounting					
Without buzzer	LED for steady light only	IP23	Red, Green	**XVGB2T**	*34.80*
			Red, Amber, Green	**XVGB3T**	*41.40*
			Red, Amber, Green, Blue	**XVGB4T**	*50.80*
With buzzer	LED for steady light	IP23	Red, Green	**XVGB2ST**	*55.40*
			Red, Amber, Green	**XVGB3ST**	*64.30*
			Red, Amber, Green, Blue	**XVGB4ST**	*69.70*
With aluminium tube mounting and L-bracket					
Without buzzer	LED for steady light only	IP23	Red, Green	**XVGB2**	*36.10*
			Red, Amber, Green	**XVGB3**	*42.80*
			Red, Amber, Green, Blue	**XVGB4**	*52.10*
With buzzer	LED for steady light	IP23	Red, Green	**XVGB2S**	*57.10*
			Red, Amber, Green	**XVGB3S**	*66.00*
			Red, Amber, Green, Blue	**XVGB4S**	*75.00*
With aluminium tube mounting and fixing plate					
Without buzzer	LED for steady light only	IP53	Red, Green	**XVGB2H**	*36.10*
			Red, Amber, Green	**XVGB3H**	*42.80*
			Red, Amber, Green, Blue	**XVGB4H**	*52.10*
With buzzer	LED for steady light	IP42	Red, Green	**XVGB2SH**	*57.10*
			Red, Amber, Green	**XVGB3SH**	*66.00*
			Red, Amber, Green, Blue	**XVGB4SH**	*75.00*
With aluminium tube mounting and foldable bracket					
Without buzzer	LED for steady light only	IP40	Red, Green	**XVGB2M**	*41.40*
			Red, Amber, Green	**XVGB3M**	*48.10*
			Red, Amber, Green, Blue	**XVGB4M**	*57.50*
With buzzer	LED for steady light	IP40	Red, Green	**XVGB2SM**	*64.30*
			Red, Amber, Green	**XVGB3SM**	*66.50*
			Red, Amber, Green, Blue	**XVGB4SM**	*77.80*

Accessories for support tube mounting

Description	For use with	Reference	Price (S$)
Folding mounting bracket for support tube mounting	XVGB*H, XVGB*SH	**XVGZ02**	*9.80*
Wall mounting bracket	XVGB*T, XVGB*ST	**XVMZ02W**	*14.70*

(1) The colours are listed in the same order as the mounting order of the illuminated units (from top to bottom).

Life Is On Schneider Electric

Signalling solutions

Harmony XVBC Modular tower lights
Ø 70 mm, for customer assembly

unit price (excl. GST in Singapore Dollars)

Illuminated units for incandescent bulbs or LEDs

XVB C3●

XVB C4●●

Description	Light source (to be ordered separately)	Colour	Reference	Price (S$)
Illuminated units with steady light signalling				
Illuminated units	Incandescent bulb 7W max. or LED	Green	**XVBC33**	*23.00*
		Red	**XVBC34**	*23.00*
		Orange	**XVBC35**	*23.00*
		Blue	**XVBC36**	*23.00*
		Clear	**XVBC37**	*23.00*
		Yellow	**XVBC38**	*23.00*
Illuminated units with integral flashing light signalling				
Illuminated units	Incandescent bulb 7W max. ~ 24V ≂ 24…48V or LED	Green	**XVBC4B3**	*97.00*
		Red	**XVBC4B4**	*97.00*
		Orange	**XVBC4B5**	*97.00*
		Blue	**XVBC4B6**	*97.00*
		Clear	**XVBC4B7**	*97.00*
		Yellow	**XVBC4B8**	*97.00*
	Incandescent bulb 7W max. ~ 48…230V or LED	Green	**XVBC4M3**	*104.00*
		Red	**XVBC4M4**	*104.00*
		Orange	**XVBC4M5**	*104.00*
		Blue	**XVBC4M6**	*104.00*
		Clear	**XVBC4M7**	*104.00*
		Yellow	**XVBC4M8**	*104.00*

Illuminated units with integral LED

XVB C2●●

XVB C5●●

Description	Voltage	Colour	with steady light			with flashing light	
			Reference		Price (S$)	Reference	Price (S$)
Illuminated units with integral LED Protected LED	≂ 24V	Green	**XVBC2B3**	**(1)**	*101.60*	**XVBC5B3**	*158.00*
		Red	**XVBC2B4**	**(1)**	*101.60*	**XVBC5B4**	*158.00*
		Orange	**XVBC2B5**	**(1)**	*101.60*	**XVBC5B5**	*158.00*
		Blue	**XVBC2B6**	**(1)**	*101.60*	**XVBC5B6**	*158.00*
		Clear	**XVBC2B7**	**(1)**	*101.60*	**XVBC5B7**	*158.00*
		Yellow	**XVBC2B8**	**(1)**	*101.60*	**XVBC5B8**	*158.00*
	~ 120V	Green	**XVBC2G3**		*103.00*	**XVBC5G3**	*158.00*
		Red	**XVBC2G4**		*103.00*	**XVBC5G4**	*158.00*
		Orange	**XVBC2G5**		*103.00*	**XVBC5G5**	*158.00*
		Blue	**XVBC2G6**		*103.00*	**XVBC5G6**	*158.00*
		Clear	**XVBC2G7**		*103.00*	**XVBC5G7**	*158.00*
		Yellow	**XVBC2G8**		*103.00*	**XVBC5G8**	*158.00*
	~ 230V	Green	**XVBC2M3**		*103.00*	**XVBC5M3**	*158.00*
		Red	**XVBC2M4**		*103.00*	**XVBC5M4**	*158.00*
		Orange	**XVBC2M5**		*103.00*	**XVBC5M5**	*158.00*
		Blue	**XVBC2M6**		*103.00*	**XVBC5M6**	*158.00*
		Clear	**XVBC2M7**		*103.00*	**XVBC5M7**	*158.00*
		Yellow	**XVBC2M8**		*103.00*	**XVBC5M8**	*158.00*

(1)To order an illuminated unit with integral LED pre-fitted with light diffuser XVBZ18 ($XX), add the letter "D" to the end of the reference. Example XVBC2B3D.

Signalling solutions

Harmony XVBC Modular tower lights Ø 70 mm, for customer assembly

unit price (excl. GST in Singapore Dollars)

Illuminated units with integral "flash" discharge tube

XVB C6●● XVB C8●●

Description	Light source	Colour	with 5 Joule "flash" discharge tube		with 10 Joule "flash" discharge tube	
			Reference	Price (S$)	Reference	Price (S$)
Illuminated units with integral LED Protected LED	≈ 24V	Green	**XVBC6B3**	*194.00*	**XVBC8B3**	*256.00*
		Red	**XVBC6B4**	*213.40*	**XVBC8B4**	*256.00*
		Orange	**XVBC6B5**	*194.00*	**XVBC8B5**	*262.00*
		Blue	**XVBC6B6**	*194.00*	**XVBC8B6**	*256.00*
		Clear	**XVBC6B7**	*194.00*	**XVBC8B7**	*256.00*
		Yellow	**XVBC6B8**	*194.00*	**XVBC8B8**	*256.00*
	~ 120V	Green	**XVBC6G3**	*201.00*	**XVBC8G3**	*272.00*
		Red	**XVBC6G4**	*201.00*	**XVBC8G4**	*272.00*
		Orange	**XVBC6G5**	*201.00*	**XVBC8G5**	*272.00*
		Blue	**XVBC6G6**	*201.00*	**XVBC8G6**	*272.00*
		Clear	**XVBC6G7**	*201.00*	**XVBC8G7**	*272.00*
		Yellow	**XVBC6G8**	*201.00*	**XVBC8G8**	*272.00*
	~ 230V	Green	**XVBC6M3**	*201.00*	**XVBC8M3**	*297.00*
		Red	**XVBC6M4**	*201.00*	**XVBC8M4**	*297.00*
		Orange	**XVBC6M5**	*201.00*	**XVBC8M5**	*297.00*
		Blue	**XVBC6M6**	*201.00*	**XVBC8M6**	*297.00*
		Clear	**XVBC6M7**	*201.00*	**XVBC8M7**	*297.00*
		Yellow	**XVBC6M8**	*201.00*	**XVBC8M8**	*297.00*

Audible units

XVB C9●

Description	Characteristics	Reference	Price (S$)
Buzzer, 90dB at 1 m Adjustable: - 70 or 90 dB - continuous or intermittent tone using microswitch	≈ 12…48V	**XVBC9B**	*122.00*
	~ 120…230V	**XVBC9M**	*151.00*

Base units (for direct or tube fixing)

XVB C07

Description	For use with	Type	Reference	Price (S$)
Base unit + cover with bottom or side cable entry	Banks without "flash" discharge tube unit	Standard	**XVBC21**	*30.00*
Base unit only with bottom or side cable entry	Banks with "flash" discharge tube unit	Standard	**XVBC07**	*53.00*
Base unit + cover with side cable entry	All types of bank	AS-Interface	**XVBC21A**	*292.90*
Base unit + cover with bottom entry, pre-cabled (length 1m) and fitted with M12 end connector	All types of bank	AS-Interface	**XVBC21B**	*279.40*

Accessories specific to indicator banks XVB C

Description	Application	Unit reference	Price (S$)
Cover only	For use with XVBC2, XVBC3, XVBC4 XVBC5 and XVBC9	**XVBC081**	*11.00*
Set of 6 coloured markers	For identifi cation of the position of units in the event of dismantling the bank	**XVBC22**	*6.00*
Set of 5 legend holders	For identifi cation of stacked units on base unit	**XVBC23**	*11.00*
Sheet of 85 legends	For use with base unit legend holder XVB C23	**XVBCY1**	*27.00*
Sheet of 52 legends	For identifi cation of stacked units, used on locking ring	**XVBCY2**	*23.50*
Adaptor for side entry through base unit	With 13P cable gland	**XVBC14**	*10.00*

Life Is On Schneider Electric

Signalling solutions

Harmony XVB Modular tower lights
Ø 70 mm, for customer assembly

unit price (excl. GST in Singapore Dollars)

XVB Z02 XVB Z03/Z04

Description	Height under base unit (mm)	Colour	Reference	Price (S$)
Fixing bases comprising Ø 25 mm aluminium support tube glued into a black plastic fi xing plate	80	Black aluminium	**XVBZ02**	*33.00*
		Aluminium	**XVBZ02A**	*31.00*
	380	Black aluminium	**XVBZ03**	*48.00*
		Aluminium	**XVBZ03A**	*46.00*
	780	Black aluminium	**XVBZ04**	*64.00*
		Aluminium	**XVBZ04A**	*62.00*

Description	For use with	Material	Reference	Price (S$)
Support tube concealment cover	Support tubes XVB Z02, XVB Z02A	ABS	**XVBC020**	*16.50*
	Support tubes XVB Z03, XVB Z03A	ABS	**XVBC030**	*73.00*
	Support tubes XVB Z04, XVB Z04A	ABS	**XVBC040**	*53.00*
Fixing plate for use on horizontal support	Ø 25 mm aluminium support tube	Plastic	**XVBZ01**	*12.00*

XVB C020

Fixing plate for use on vertical support	Base unit (direct mounting), fixing plate XVB Z01 or fixing bases XVB Z0.	Zamak	**XVBC12**	*30.80*

XVB Z01

XVB C12

Description	Characteristics		Sold in lot of	Unit reference	Price (S$)
Incandescent bulbs BA 15d base fitting	12 V	7 W	**10**	**DL1BEJ**	*6.00*
	24 V	6.5 W	**10**	**DL1BEB**	*6.60*
	48 V	6 W	**10**	**DL1BEE**	*6.00*
	120 V	7 W	**10**	**DL1BEG**	*6.60*
	230 V	7 W	**10**	**DL1BEM**	*6.60*
LEDs BA 15d base fitting	≈ 24V	Green	1	**DL1BDB3**	*56.10*
		Red	1	**DL1BDB4**	*56.10*
		Orange	1	**DL1BDB5**	*56.10*
		Blue	1	**DL1BDB6**	*56.10*
		Yellow	1	**DL1BDB8**	*56.10*
	~ 120V	Green	1	**DL1BDG3**	*69.30*
		Red	1	**DL1BDG4**	*69.30*
		Orange	1	**DL1BDG5**	*69.30*
		Blue	1	**DL1BDG6**	*69.30*
		Yellow	1	**DL1BDG8**	*69.30*
	~ 230V	Green	1	**DL1BDM3**	*69.30*
		Red	1	**DL1BDM4**	*69.30*
		Orange	1	**DL1BDM5**	*69.30*
		Blue	1	**DL1BDM6**	*69.30*
		Yellow	1	**DL1BDM8**	*69.30*

DL1 B●●

DL1 BD●●/DL1 BK●●

Flashing LEDs BA 15d base fitting	≈ 24V	Green	1	**DL1BKB3**	*108.90*
		Red	1	**DL1BKB4**	*108.90*
		Orange	1	**DL1BKB5**	*108.90*
		Blue	1	**DL1BKB6**	*108.90*
		Yellow	1	**DL1BKB8**	*108.90*
	~ 120V	Green	1	**DL1BKG3**	*132.00*
		Red	1	**DL1BKG4**	*132.00*
		Orange	1	**DL1BKG5**	*132.00*
		Blue	1	**DL1BKG6**	*132.00*
		Yellow	1	**DL1BKG8**	*132.00*
	~ 230V	Green	1	**DL1BKM3**	*132.00*
		Red	1	**DL1BKM4**	*132.00*
		Orange	1	**DL1BKM5**	*132.00*
		Blue	1	**DL1BKM6**	*132.00*
		Yellow	1	**DL1BKM8**	*132.00*

Signalling solutions

Harmony XVU Modular tower lights Ø 60 mm, for customer assembly

New!

unit price (excl. GST in Singapore Dollars)

Beacons for customer assembly

XVUC23

XVUC26

XVUC28

XVUC29

Description	Signalling Type	Voltage	Power	Colour	Reference	Price(S$)
Illuminated LED units: IP 65						
High brightness LED units	Steady	24 V	2.5 W	Green	**XVUC23**	*61.00*
			2.0 W	Red	**XVUC24**	*61.00*
			2.0 W	Orange	**XVUC25**	*61.00*
			2.5 W	Blue	**XVUC26**	*61.00*
			2.5 W	White	**XVUC27**	*61.00*
			2.5 W	Yellow	**XVUC28**	*61.00*
	Steady/ blinking/ flashing/ rotating	24V	1.5 W	Multi-color (green, red, orange, blue, white, and yellow)	**XVUC29**	*135.00*
Pulse signal Multi-color LED unit (1)	Steady/ blinking/ flashing/ rotating	24V	1.7 W	Multi-color (green, red, orange, and blue)	**XVUC29P**	*140.00*

(1) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. Controlled by PLC dynamically.

XVUC9S

Description	Voltage	Power	Colour	Reference	Price(S$)
Audible units: IP 54					
Buzzer, adjustable 70...85 dB at 1 m/3.281 ft (4 configurations of audible signal)	24 V	1.7 W	Black	**XVUC9S**	*102.00*
			Silver	**XVUC9SQ**	*112.00*
Sound, adjustable 0...86 dB at 1m/3.281 ft (4 channels)	24 V	1.7 W	Black	**XVUC9V**	*185.00*
Pulse signal voice unit 0...86 dB at 1m/3.281 ft (16 channels) (2)	24 V	1.7 W	Black	**XVUC9VP**	*200.00*

XVUC21M

Description	Voltage	Colour	Reference		Price(S$)
Body units: IP 65					
Body unit with top cover (3)	24 V	Black	**XVUC21B**		*51.00*
		Silver	**XVUC21BQ**		*56.00*
	~ 100 to 240 V	Black	**XVUC21M**	**(4)**	*103.00*
		Black	**XVUC21MP**	**(5)**	*103.00*
		Silver	**XVUC21MQP**	**(5)**	*113.00*

(2) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. 16 channels can be controlled by PLC.
(3) Direct mounting plate XVUZ01 needed for direct mounting
(4) NPN type
(5) PNP type

XVUZ02

Description	Voltage	Colour	Reference		Price(S$)
Accessories					
Body extender	24 V	Black	**XVUC020**		*44.00*
		Silver	**XVUC020Q**		*48.00*
Direct mounting plate		Black	**XVUZ01**		*30.00*
			XVUZ03	**(6)**	*30.00*
			XVUZ04	**(7)**	*30.00*
		Silver	**XVUZ01Q**		*33.00*
Aluminium fixing plate with 100 mm/3.937 in. pole		Black	**XVUZ02**		*46.00*
		Silver	**XVUZ02Q**		*51.00*
Aluminium adjustment pole and fixing plate for height adjustment (8)		Black	**XVUZ05**		*139.00*
Flexible mounting element for use on horizontal or vertical support, IP55		Black	**XVUZ06**		*60.00*

(6) Two-foot mounting
(7) Four-foot mounting
(8) Only for use with DC body unit.

XVUZ06

Life Is On Schneider Electric

Signalling solutions

Harmony XVR Rotating mirror beacons

Ø 84, 106, 120, 130 mm rotating mirror beacons

unit price (excl. GST in Singapore Dollars)

Complete, pre-wired rotating mirror beacons

XVR 08●●●

XVR 10●●●

XVR 12●●●

XVR 13●●●

Diameter mm	Sound option	IP degree of protection	Voltage V	Colour	Reference	Price (S$)
Ø 84	Without buzzer	IP 23 (IP 65 With accessories)	≂ 12	Red	**XVR08J04**	*168.00*
				Orange	**XVR08J05**	*168.00*
				Green	**XVR08J03**	*168.00*
				Blue	**XVR08J06**	*168.00*
			≂ 24	Red	**XVR08B04**	*168.00*
				Orange	**XVR08B05**	*168.00*
				Green	**XVR08B03**	*168.00*
				Blue	**XVR08B06**	*168.00*
Ø 106	Without buzzer	IP 23 (IP 55 With accessories)	≂ 12	Red	**XVR10J04**	*180.00*
				Orange	**XVR10J05**	*180.00*
				Green	**XVR10J03**	*180.00*
				Blue	**XVR10J06**	*180.00*
			≂ 24	Red	**XVR10B04**	*180.00*
				Orange	**XVR10B05**	*180.00*
				Green	**XVR10B03**	*180.00*
				Blue	**XVR10B06**	*180.00*
Ø 120	Without buzzer	IP 23	≂ 12	Red	**XVR12J04**	*185.00*
				Orange	**XVR12J05**	*185.00*
				Green	**XVR12J03**	*185.00*
				Blue	**XVR12J06**	*203.50*
			≂ 24	Red	**XVR12B04**	*185.00*
				Orange	**XVR12B05**	*203.50*
				Green	**XVR12B03**	*185.00*
				Blue	**XVR12B06**	*185.00*
Ø 120	With buzzer	IP 23	≂ 12	Red	**XVR12J04S**	*229.90*
				Orange	**XVR12J05S**	*229.90*
				Green	**XVR12J03S**	*209.00*
				Blue	**XVR12J06S**	*209.00*
			≂ 24	Red	**XVR12B04S**	*229.90*
				Orange	**XVR12B05S**	*229.90*
				Green	**XVR12B03S**	*253.00*
				Blue	**XVR12B06S**	*209.00*
Ø 130	Without buzzer	IP 23 Resistant to vibration	⎓ 12	Red	**XVR13J04**	*220.00*
				Orange	**XVR13J05**	*220.00*
			⎓ 24	Red	**XVR13B04**	*222.00*
				Orange	**XVR13B05**	*220.00*
			~ 120	Red	**XVR13G04L**	*220.00*
				Orange	**XVR13G05L**	*220.00*
			~ 230	Red	**XVR13M04L**	*222.00*
				Orange	**XVR13M05L**	*220.00*

Accessories for rotating mirrors

Description	Diameter mm	Height mm	Reference	Price (S$)
Reflecting prism	84	–	**XVRZR1**	*19.00*
	106	–	**XVRZR2**	*21.00*
	120/130	–	**XVRZR3**	*21.00*
Rubber base for increasing the IP degree	84	–	**XVRZ081**	*28.00*
	106	–	**XVRZ082**	*35.00*
Metal angle bracket for mounting on horizontal support	84, 106, 120	–	**XVCZ23**	*29.30*
Metal fixing plate with aluminium expansion tube for mounting on horizontal support	106, 120	300	**XVCZ13**	*160.60*

Signalling solutions

Harmony XVS Sirens and electronic alarms

unit price (excl. GST in Singapore Dollars)

XVS 14BMW

Description	Voltage V	Colour	Reference	Price (S$)
Multisound siren **105 dB, 43 tones**	⎓ 12/24	White	**XVS14BMW**	*277.20*
	120 VAC	White	**XVS14GMW**	*402.00*
	120 - 230 VAC	White	**XVS14MMW**	*324.50*

XVS 72BM●●

Electronic alarms **90 dB, 16 tones** Panel Mount DIN72	≂ 12 /24	PNP, Black	**XVS72BMBP**	*214.00*
		PNP, White	**XVS72BMWP**	*214.00*
		NPN, Black	**XVS72BMBN**	*214.00*
		NPN, White	**XVS72BMWN**	*214.00*

Life Is On Schneider Electric

Pendant control stations

Double insulated, type XAC-A
For control circuits
Empty enclosures and separate components

Unit price (excl. GST) in Singapore Dollars

Empty enclosures

Description	Number of ways	Reference	Price(S$)
Enclosure comprising:	2	**XACA02**	182.00
- the enclosure,	3 *(1)*	**XACA03**	187.00
-internal mounting plate,	4	**XACA04**	196.00
-cable sleeve for Ø 8 to 26mm cable,	5 *(1)*	**XACA05**	211.00
-internal cable clamp,	6	**XACA06**	226.00
-suspension ring,	8	**XACA08**	254.00
-cable tie (for tightening sleeve onto cable).	12	**XACA12**	316.00

Contact blocks for front mounting

Description	Application	Function	Reference	Price(S$)
Single block, spring return slow break	Single speed	N/O	**ZB2BE101**	6.80
		N/C	**ZB2BE102**	6.80
		N/C + N/O + N/O simultaneous (2)	**XENG1491**	51.00
	2 speed	N/C + N/O + N/O staggered (2)	**XENG1191**	51.00

Isolating switch,slow break,for front mounting

For mounting in enclosure	Application	Function	Reference	Price(S$)
XACA03 (frontal cut-out) XACA,A06, A08 (frontal or base cut-out)	"Emergency stop"	N/C + N/C + N/C with postiive opening operation	**XENT1192**	64.00

Contact blocks for base mounting

Description	Function	Reference	Price(S$)
Spring return slow break (4)	N/O	**XACS101**	25.00
	N/C	**XACS102**	25.00
	N/O + N/O	**XACS103**	42.00
	N/C + N/C	**XACS104**	42.00
	N/C + N/O	**XACS105**	42.00

Pilot light bodies for front mounting

Description	Supply voltage	Reference	Price(S$)
Direct supply Bulb not included (5)	<=400V	**ZB2BV006**	9.00
Direct supply,through resistor Incandescent BA 9s base fitting 130 V bulb supplied	230V	**ZB2BV007**	24.00

(1) Enclosures with 3 cut-outs XACA03 and 5 cut-outs XACA05 cannot be fitted with a mounting adaptor for base mounted units.

(2) Only for use with XACA9 III operators.

(3) Not suitable for use with the following operating heads: ZA2BB,ZA2BD,ZA2BG and ZA2BS.

(4) Not suitable for use with 3-position operating heads ZA2-BD and ZA2BG or for mounting in enclosure XACA039 and XACA03.

(5) Bulb types for use with direct supply:BA9s base fitting incandescent bulb U ≤130 V or neon bulb 110V ≤ U ≤ 400V; maximum power 2.6W, maxium Ø 11mm, maximum length 28mm.

Pendant control stations

Double insulated, type XAC-A
For control circuits
Separate components

unit price (excl. GST in Singapore Dollars)

Operating heads for front mounting

XAC A94●●

Description	Colour	Sold in lot of	Reference	Price(S$)
Booted operators, complete	White	10	**XACA9411**	*9.00*
	Black	10	**XACA9412**	*9.00*
	Green	10	**XACA9413**	*9.00*
	Red	10	**XACA9414**	*9.00*
	Yellow	10	**XACA9415**	*9.00*
	Blue	10	**XACA9416**	*9.00*
	Brown	10	**XACA9419**	*9.00*

Operating heads for front or base mounting

ZA2 BS834

ZA2 BD●

ZA2 BG●

ZA2 BB●

Description	Colour	Type	Reference	Price(S$)
Mushroom head, trigger action, latching Turn to release (Emergency stop)	Red	Ø 30mm	**ZA2BS834**	*41.00*
		Ø 40mm	**ZA2BS844**	*48.00*
Selector switches, standard handle (Not to be used with XENGIIII contact blocks)	Black	2 position stay put	**ZA2BD2**	*10.00*
		3 position stay put (1)	**ZA2BD3**	*10.00*
Key switches (Ronis key n^0 455) Key withdrawal in left and right hand positions	-	2 position stay put	**ZA2BG4**	*31.00*
		3 position stay put (1)	**ZA2BG5**	*31.00*
Wobblesticks (2) Operates in all directions for "Fast stop" function	Black	-	**ZA2BB2**	*104.00*
	Red	-	**ZA2BB4**	*104.00*

Pilot light heads

ZA2-BV0●

Description	Colour	Reference	Price(S$)
For use with incandescent bulbs			
Lens cap with fixing bezel	White	**ZA2BV01**	*7.00*
	Green	**ZA2BV03**	*7.00*
	Red	**ZA2BV04**	*7.00*
	Yellow	**ZA2BV05**	*7.00*
	Blue	**ZA2BV06**	*7.00*
	Clear	**ZA2BV07**	*7.00*
For use with neon bulbs			
Lens cap with fixing bezel	Green	**ZA2BV033**	*7.00*
	Red	**ZA2BV043**	*7.00*
	Yellow	**ZA2BV053**	*7.00*
	Clear	**ZA2BV073**	*7.00*

(1) Only suitable for front mounting

(2) Base mounting recommended

Life Is On Schneider Electric

Pendant control stations

Double insulated, type XAC-A

For control circuits

Bulbs, complementary accessories, tools and legend plates

unit price (excl. GST in Singapore Dollars)

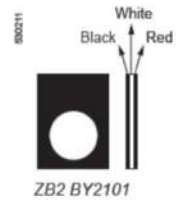
Bulbs (Sold in lots of 10)

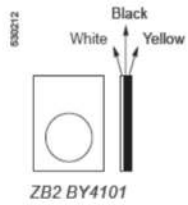
Description	Voltage	Sold in lots of	Reference	Unit Price (S$)
Incandescent	6V	10	**DL1CB006**	*3.00*
BA 9s base fitting	12V	10	**DL1CE012**	*6.00*
Maximum power : 2.6W	24V	10	**DL1CE024**	*6.00*
Maximum Ø: 11mm	48V	10	**DL1CE048**	*6.00*
Maximum length: 28mm	130V	10	**DL1CE130**	*6.00*
Neon	110V	10	**DL1CF110**	*12.00*
BA 9s base fitting	230V	10	**DL1CF220**	*12.00*
Maximum power : 2.6W	400V	10	**DL1CF380**	*12.00*
Maximum Ø: 11mm				
Maximum length: 28mm				

Complementary accessories, tools

Description		Reference	Price(S$)
Protective cable sleeve	For cable Ø 8 to 22mm	**XACA950**	*29.40*
	For cable Ø 8 to 26mm	**XACA960**	*46.00*
Mechanical interlock for 2 operators	with fixing screws	**XACA009**	*8.00*
Blanking plug	With seal and fixing nut	**ZB2SZ3**	*4.00*
Adaptor for self-support cable type BBAP	Mounted with protective sleeve for cable Ø 8 to 26mm	**XACB961**	*9.00*
Lower support ting	-	**XACA971**	*11.00*
Protective guards for base mounted units	For selector switch (std. Handle) or mushroom head pushbutton	**XACA982**	*29.00*
	For key switch or key release latching mushroom head pushbutton	**XACA983**	*29.00*
Bulb extractor	For BA 9s base fitting bulbs	**XBFX13**	*5.00*

Legend plates 30x40mm with symbols conforming to NF E 52-124





Text	Reference	Price(S$)
"**Start**" functions: white characters on black background.		
"**Stop**" functions: white characters on red background.		
Blank		
Black or red background	**ZB2BY2101**	*2.00*
With standard English texts		
For pushbuttons		
Start	**ZB2BY2303**	*2.00*
Stop	**ZB2BY2304**	*2.00*
Forward	**ZB2BY2305**	*2.00*
Reverse	**ZB2BY2306**	*2.00*
Up	**ZB2BY2307**	*2.00*
Down	**ZB2BY2308**	*2.00*
Right	**ZB2BY2309**	*2.00*
Left	**ZB2BY2310**	*2.00*
On	**ZB2BY2311**	*2.00*
Off	**ZB2BY2312**	*2.00*
Power on	**ZB2BY2326**	*2.00*
Slow	**ZB2BY2327**	*2.00*
Fast	**ZB2BY2328**	*2.00*
For selector switches		
Off-On	**ZB2BY2367**	*2.00*

Text	Reference	Price(S$)
White or yellow background	**ZB2BY4101**	*2.00*
With special text (to be specified when ordering) 2 lines maxium, 11 characters per line		
White characters on black Background	**ZB2BY2002**	*14.00*
White characters on red Background	**ZB2BY2004**	*14.00*
Black characters on white Background	**ZB2BY4001**	*14.00*
Black characters on yellow Background	**ZB2BY4005**	*14.00*

Operator dialogue terminals

Small panels with touch screen
Magelis STO, STU

New!

unit price (excl. GST in Singapore Dollars)

Monochrome touch screen terminals

4.3" screen

Type of screen	Communication	Application memory capacity	Display	Number of Ethernet ports	Reference	Price (S$)
TFT	1 RS232C (9pin) 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	**HMISTO705***	*POA*
TFT	1 RS232C/RS485 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	**HMISTO715***	*POA*
TFT	1 Ethernet 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	**HMISTO735***	*POA*

Colour touch screen terminals

3.5" and 5.7" screen

HMI STU 655

Type of screen	Communication	Application memory capacity	Display	Screen	Reference	Price (S$)
TFT	1 RS232C/RS485 1 Ethernet 1 USB Type A 1 USB Type B	16 MB	65,536 colour	3.5"	**HMISTU655**	*777.00*
				5.7"	**HMISTU855**	*1,052.00*

Separate components

Designation	Description/ function	Compatible with	Reference	Price (S$)
Protective sheets	5 peel-off sheets for protecting the screen	HMISTO7* *MOQ TBC	**HMIZS501**	*POA*
		HMISTU655	**HMIZS61**	*35.00*
		HMISTU855	**HMIZS62**	*32.00*
Accessories	Install a 4.3" STO into a 3.4" STO's panel cut out	HMISTO7*	**HMIZSADCO1**	*POA*
	RTC battery set for time data backup	HMISTO7*	**HMIZSRTC1**	*POA*
	Installation fastener	HMISTO7*	**HMIZSFIX1**	*POA*
	UV protection film	HMISTO7*	**HMIZUV0W**	*POA*

Vijeo designer software

Description	Reference	Price (S$)
Software for developing and running an application for HMISTU & HMIGTO on 1 PC. Supplied without cable.	**VJDSNDTGSV62M**	*1,100.00*
Software for developing and running an application for HMISTU & HMIGTO on 1 PC. Supplied with a USB cable for XBTGT2xxx and above (XBTZG935)	**VJDSUDTGAV62M**	*1,400.00*

**POA: Price on asking (To be launched in Q2 2016)*

**Available with Vijeo Designer XD only*

Life Is On Schneider Electric

Operator dialogue terminals
Small panel with keypad
Magelis XBT N

unit price (excl. GST in Singapore Dollars)

Magelis small panels

XBT N200

XBT N400/N410/NU400

XBT N401

Downloadable exchange protocol	Compatible PLCs	Supply voltage	Display	Reference	Price (S$)
Terminal with 2 lines of 20 characters (with alphanumeric screen)					
Uni-TE, Modbus	Twido, Nano, TSX Micro, Premium	5 Vdc via PLC terminal port	Back-lit green LCD	**XBTN200**	*406.00*
Terminal with 4 lignes of 20 characters (with matrix screen)					
Uni-TE, Modbus	Twido, Nano, TSX Micro, Premium	5 Vdc via PLC terminal port	Back-lit green LCD (122 x 32 pixels)	**XBTN400**	*481.00*
	Twido (1), Nano, Micro, Premium, TSX series 7, Momentum, Quantum Other Modus slave equipment	24 Vdc external supply	Back-lit green LCD (122 x 32 pixels)	**XBTN410**	*536.00*
			Back-lit green , orange and red LCD *(2)* (122 x 32 pixels)	**XBTN401**	*682.00*
Modbus	TeSys model U motor starters *(3)* Altivar drives	24 Vdc external supply	Back-lit green LCD (122 x 32 pixels)	**XBTNU400**	*510.00*

Accessories *(4)*

XBT ZN01

XBT ZN02

Description	Description	For used with	Reference	Price (S$)
Accessory for flush mounting	Kit for applications requiring a higher degree of protection or customisation of the console, using a flat metal strip (not included)	All XBT N	**XBTZN01**	*103.00*
Protective sheets	10 peel off sheets	All XBT N	**XBTZN02**	*59.00*
Sheets of changeable legends	10 sheets of 6 legends	XBTN200/400	**XBLYN00**	*21.00*
		XBTN401 XBTNU400	**XBLYN01**	*21.00*
Mechanical adaptator for XBT H substitution	From XBT H0●2●1/H0●1010 to XBT N410		**XBTZNCO**	*109.00*
	From XBT H811050 to XBT N400			

Cables and connection accessories *(5)*

XBT Z9780

Description	Compatibility	Type of connector	Physical link	Protocol	Length	Reference	Price (S$)
Cable for Twido, Nano, TSX Micro and Premium PLCs	XBT N●00	RJ45-Mini-DIN	RS485	Modbus, Uni-TE	2.5m	**XBTZ9780**	*200.00*
Adaptator cable	XBT N200 XBT N400 *(6)*	RJ45-RJ45	RS232C RS485	Modbus, Uni-TE	0.1 m	**XBTZN999**	*18.00*
Serial printer cable	XBT N401	Mini-DIN (display unit side)-25way-SUB-D	RS232C	ASCII	2.5 m	**XBTZ926**	*82.00*

(1) Connection via integrated port or optional serial port on the Twido programmable controller.

(2) Also available with 4 signalling LEDs.

(3) Factory preloaded application for monitoring, diagnostics and adjustment of 1 to 8 TeSys model U motor starters.

(4) For other accessories, see page 2-34

(5) For other cables and connection accessories, see page 2-35

(6) Adaptator cable supplied with XBT N200/N400 new version. The XBT ZN999 adaptator is used with the XBT N200/N400 new version and the XBT Z978 cable (replace by XBT Z9780)or with the XBT N200/N400 old version and the new XBT Z9780 cable.

Operator dialogue terminals

Small panel with keypad
Magelis XBT R/ RT

unit price (excl. GST in Singapore Dollars)

Magelis small panels

XBTR400

XBTR411

Downloadable exchange protocol	Compatible PLCs	Supply voltage	Screen type	Reference	Price (S$)
Terminals with 4 lines of 20 characters (matrix screen)					
Uni-TE, Modbus	Twido *(1)*, Nano, TSX Micro, Premium	5 Vdc via PLC terminal port	Green Back-lit LCD (122 x 32 pixels),	**XBTR400**	*652.00*
	Twido *(1)*, Nano, TSX Micro, Premium, TSX series 7, Momentum, Quantum Other Modus slave equipment	24 Vdc external supply	Green Back-lit LCD (122 x 32 pixels),	**XBTR410**	*530.00*
			Green, orange or red back-lit LCD (122 x 32 pixels), *(2)*	**XBTR411**	*751.00*

Accessories *(3)*

XBT ZR01

Description	Description	For used with	Reference	Price (S$)
Accessory for flush mounting	Kit for applications requiring a higher degree of protection or customisation of the console, using a flat metal strip (not included)	AllXBTR/RT	**XBTZR01**	*124.00*
Protective sheets	10 peel off sheets	AllXBTR/RT	**XBTZR02**	*66.00*
Sheets of changeable legends	10 sheets of 6 legends	XBTR400/410	**XBLYR00**	*88.00*
		XBTR411	**XBLYR01**	*88.00*
Mechanical adaptator for XBT P substitution	From XBT P01●010/P02●010 to XBT R410		**XBTZRCO**	*220.00*
	From XBT P02●110 to XBT R411			

(1) Connection via integrated port or optional serial port on the Twido controller.
(2) With 16 LEDs indicator lights.

XBT ZR02

Vijeo designer lite software

Description	Reference	Price (S$)
Single License: Software version V1.3 for developing and implementing an application for XBTN/R/RT on 1 PC. Supplied without cable	**VJDSNDTMSV13M**	*386.00*
Single license, Matrix XBT download USB cable: Software version V1.3 for developing and implementing an application for XBTN/R/RT on 1 PC. Supplied with a USB cable for XBTN/R/RT (XBTZ925+ TSXCUSB485)	**VJDSUDTMSV13M**	*744.90*

Life Is On Schneider Electric

Operator dialogue terminals

Small panel

Separate components for Magelis XBT N/R/RT and Magelis STO/STU

unit price (excl. GST in Singapore Dollars)

Accessories

Type	Compatibility	Sold in lots of	Reference	Price (S$)
External 5V adapter *(1)*	XBT N200/N400 XBT R400 XBT RT500	1	**XBTZRTPW**	*37.00*
Spring clips (spare parts)	XBT N/ R/ RT	12	**XBTZ3002**	*84.00*
Power supply connector	XBT N/R	10	**XBTZ3004**	*84.00*
	HMI STO	5	**HMIZSPWO**	*34.00*
	HMI STU	5	**XBTZGPWS1**	*63.00*

Connection to PCs and printers

Use	Compatibility	Length	Connection peripheral side	Reference	Price (S$)
RS 232C PC link	XBT N401/N410/NU400 XBT R410/R411	2.5 m	9-way male SUB-D	**XBTZ915**	*308.00*
	XBT N200/N400/R400	2.5 m	9-way male SUB-D and mini-DIN (PS/2)	**XBTZ945**	*93.00*
PC USB connection cable **USB port** *(2)*	XBT N/R /RT	–	USB type A Male	**TSXCUSB485**	*325.00 (3)*
	HMI STO/STU	2.5 m	USB type A Male	**XBTZG935**	*566.00*
XBT adaptor for USB cable	XBT N/R /RT	2 m	Set of 2 cables RJ45/RJ45 RJ45/SUB-D 25	**XBTZ925**	*52.00*
Serial printer cable	XBT N/R	2.5 m	25-way female SUB-D	**XBTZ926**	*82.00*
USB device extension cable	HMI STO/STU	2 m	Dust and damp proof USB type mini-B male	**HMIZSUSBB**	*86.00*

Connecting cables for Magelis terminals

Description	Type of connector	Physical link	Protocol	Length	Reference	Price (S$)
Direct connection of XBT N/R/RT (XBT N200/N400/R400/RT500/RT511) and HMI STO/STU terminals to Schneider Electric PLCs						
Twido, Namo, TSX Micro and Premium PLCs	Mini-DIN	RS485	Modbus, Uni-TE	2.5m	**XBTZ9780**	*200.00*
Modicon M340	RJ45	RS485	Modbus,	2.5m	**XBTZ9980**	*101.00*
Direct connection of XBT N/R/RT (XBT N410/N401/R410/R411) to Schneider Electric PLCs						
Twido, Namo,	Mini-DIN	RS485	Modbus and	2.5m	**XBTZ968**	*290.00*
TSX Micro and	8-pin terminal		Uni-TE	5m	**XBTZ9681**	*260.00*
Premium PLCs	port		(V1/V2)	2.5m *(5)*	**XBTZ9680**	*168.00*
Modicon Momentum M1 (Port 1)	RJ45	RS232	Modbus	2.5m	**XBTZ9711**	*150.00*
Modicon M340	RJ45	RS485	Modbus	2.5m	**XBTZ938**	*60.00*

(1) Use 5 V dc power supply: ABL8MEM05040.

(2) Adaptor XBTZ925 to be used with cable.

(3) Discount code 28

(4) Elbowed SUB-D connector.

Operator dialogue terminals

Advanced Panels

Magelis™ GTO Optimum Advanced Panels

Panels with 3.5” to 12.1” touch screen

New!

unit price (excl. GST in Singapore Dollars)

Optimum 24 V DC panels with colour touch screen, standard version (1)

HMI GTO13●●

HMI GTO23●●

HMI GTO3510

HMI GTO4310

Data entry method	Number of ports	Application memory capacity	Serial link	Embedded Ethernet	Sold in lots of	Reference	Price (S$)
3.5” QVGA TFT LCD screen, 320 x 240 pixels							
Via touch screen + 6 function keys	2 USB	64MB	1 COM1 1 COM2	-	1	**HMIGTO1300**	*845.00*
	2 USB	96MB	1 COM1	1	1	**HMIGTO1310**	*951.00*
5.7” QVGA TFT LCD screen, 320 x 240 pixels							
Via touch screen	2 USB	64MB	1 COM1 1 COM2	-	1	**HMIGTO2300**	*1,056.00*
	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO2310**	*1,331.00*
7.0” WVGA (Wide) TFT LCD screen, 800 x 480 pixels							
Via touch screen + 8 function keys	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO3510**	*1,732.00*
7.5” VGA TFT LCD screen, 640 x 480 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO4310**	*2,247.00*
10.4” VGA TFT LCD screen, 640 x 480 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO5310**	*2,820.00*
12.1” SVGA TFT LCD screen, 800 x 600 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO6310**	*3,513.00*

Optimum 24 V DC terminals with colour touch screen, Stainless Steel version (1) (2)

HMI GTO6310

HMI GTO2315

HMI GTO5315

Data entry method	Number of ports	Application memory capacity	Serial link	Embedded Ethernet	Sold in lots of	Reference	Price (S$)
5.7” QVGA screen, 320 x 240 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO2315**	*1,639.00*
10.4” VGA screen, 640 x 480 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO5315**	*3,421.00*
12.1” SVGA screen, 800 x 600 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	**HMIGTO6315**	*4,222.00*

(1) Terminals supplied with fi xing kit (screw clips), locking device for USB connectors and instruction sheet. Setup documentation for Magelis GTO terminals is included in electronic format with Vijeo Designer configuration software.

(2)The Stainless Steel version includes a front with stainless steel frame. Only this version provides IP 66K degree of protection.

Life Is On Schneider Electric

Operator dialogue terminals

Advanced Panels

Connection accessories for terminals Magelis GTO

unit price (excl. GST in Singapore Dollars)

Separate components

Description	Characteristic	Compatible with GTO	Reference	Price (S$)
Plastic covers for harsh environments (IP 67 protection)	-	HMI GTO1300 / HMI GTO1310	**HMIZECOV1**	*181.00*
		HMI GTO2300 / HMI GTO2310	**HMIZECOV2**	*175.00*
		HMI GTO3510 / HMI GTO4310	**HMIZECOV4**	*199.00*
		HMI GTO5310 / HMI GTO5315	**HMIZECOV5**	*222.00*
		HMI GTO6310 /HMI GTO6315	**HMIZECOV6**	*263.00*

Cables for application transfer - Terminal to PC

Type of terminal (terminal end connector)	Connector (PC end)	Type	Length m	Sold in lots of	Reference	Price (S$)
HMI GTO	USB	USB	1.8	1	***BMXXCAUSBH018***	*332.00*

Printer connection cables

Type of terminal (terminal end connector)		Type	Length m	Sold in lots of	Reference	Price (S$)
Serial printer for XBT GT/GK/GTW terminals (except XBT GT1ppp) and HMI GTO panels (except HMI GTO1310)	SUB-D female 25-way	RS 232C (COM1)	2.5	1	***XBTZ915***	*308.00*

Cables for connecting Magelis terminals to other Schneider Electric products

Description	Type of connector	Physical link	On Port	Length	Reference	Price (S$)
Direct connection of HMI GTO terminals to Schneider Electric PLCs						
Twido, Namo, TSX Micro and Premium PLCs	Mini-DIN	RS485	COM1 COM2	2.5	**XBTZ9780**	*200.00*
Modicon M221	RJ45	RS485	COM1 COM2	2.5	**XBTZ9980**	*101.00*
			COM2	10	**XBTZ9982**	*116.30*
	USB Mini-B	USB	USB Type A	1.8	**BMXXCAUSBH018**	*332.00*
Modicon Quantum Modicon	SUB-D	RS 232C	COM1	2.5	**XBTZ9710 + (1)**	*157.00*
Momentum M1	RJ45	RS 232C	COM1	2.5	**XBTZ9711 + (1)**	*150.00*

(1)Adaptor XBT ZG919 to be used with cables with " + (1) " after the reference.

Automation

Relays

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Electromechanical Plug-in relays

Interface relays RSB

*Range will undergo facelift from white to dark grey in 2016

unit price (excl. GST in Singapore Dollars)

Interface relays

RSB1A120BD

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O -12 A	1 C/O -16 A	2 C/O -8 A	
V			**Unit reference** *(1)*	**Unit reference** *(1)*	**Unit reference** *(1)*	**Unit Price (S$)**
d.c.	6	10	**RSB1A120RD**	**RSB1A160RD**	**RSB2A080RD**	*16.00*
	12	10	**RSB1A120JD**	**RSB1A160JD**	**RSB2A080JD**	*16.00*
	24	10	**RSB1A120BD**	**RSB1A160BD**	**RSB2A080BD**	*16.00*
	48	10	**RSB1A120ED**	**RSB1A160ED**	**RSB2A080ED**	*16.00*
	60	10	**RSB1A120ND**	**RSB1A160ND**	**RSB2A080ND**	*16.00*
	110	10	**RSB1A120FD**	**RSB1A160FD**	**RSB2A080FD**	*16.00*
a.c.	24	10	**RSB1A120B7**	**RSB1A160B7**	**RSB2A080B7**	*16.00*
	48	10	**RSB1A120E7**	**RSB1A160E7**	**RSB2A080E7**	*16.00*
	120	10	**RSB1A120F7**	**RSB1A160F7**	**RSB2A080F7**	*16.00*
	220	10	**RSB1A120M7**	**RSB1A160M7**	**RSB2A080M7**	*16.00*
	230	10	**RSB1A120P7**	**RSB1A160P7**	**RSB2A080P7**	*16.00*
	240	10	**RSB1A120U7**	**RSB1A160U7**	**RSB2A080U7**	*16.00*

Sockets - 12 A, 300 V ac

RSZE1S35M

Contact terminal arrangement	Connection	Relay type	Sold in lots of	Unit reference *(1)*	Unit Price (S$)
Separate	Connector	RSB 1A120●●	10	**RSZE1S35M**	*12.00*
	RSB 1A160●●(2) RSB 2A080●●		10	**RSZE1S48M**	*12.00*

Protection modules

Description	For use with	Voltage (V)	Sold in lots of	Unit reference *(1)*	Unit Price (S$)
Diode	All sockets	d.c. 6…230	20	**RZM040W**	*4.00*
RC circuit	All sockets	a.c. 24…60	10	**RZM041BN7**	*4.00*
		a.c. 110…240	10	**RZM041FU7**	*4.00*
Diode + green LED	All sockets	a.c./d.c. 6…24	10	**RZM031RB**	*7.00*
		a.c./d.c. 24…60	10	**RZM031BN**	*7.00*
		a.c./d.c. 110…230	10	**RZM031FPD**	*7.00*
Varistor + green LED	All sockets	d.c. or a.c. 6…24	10	**RZM021RB**	*12.00*
		d.c. or a.c. 24…60	10	**RZM021BN**	*12.00*
		d.c. or a.c. 110…230	10	**RZM021FP**	*12.00*

Accessories

RSZR215

Description	For use with	Sold in lots of	Unit reference *(1)*	Unit Price (S$)
Plastic maintaining clamp	All sockets	10	**RSZR215**	*1.00*
Legend		10	**RSZL300**	*1.00*

(1) To order a relay complete with socket (sold in lots of 20): add suffix S to the references selected above.
Example: RSB2A080RD + RSZE1S48M becomes RSB2A080RDS. Add price accordingly.
(2) When using the relay with socket RSZ E1S48M, terminals must be linked. See connection schemes on catalogue page.

Electromechanical Plug-in relays

Interface relays RXG

New!

unit price (excl. GST in Singapore Dollars)

RXG22B7

Standard cover relays with lockable test button and LED

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A		2 C/O - 5 A	
V			Unit reference		Unit reference	Unit Price (S$)
d.c.	12	10	**RXG12JD**	*12.00*	**RXG22JD**	*13.40*
	24	10	**RXG12BD**	*12.00*	**RXG22BD**	*13.40*
	110	10	**RXG12FD**	*12.00*	**RXG22FD**	*13.40*
a.c.	24	10	**RXG12B7**	*11.60*	**RXG22B7**	*13.00*
	120	10	**RXG12F7**	*11.60*	**RXG22F7**	*13.00*
	230	10	**RXG12P7**	*11.60*	**RXG22P7**	*13.00*

RXG13RD

Standard cover relays with LED only

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A		2 C/O - 5 A	
V			Unit reference		Unit reference	Unit Price (S$)
d.c.	12	10	**RXG13JD**	*11.00*	**RXG23JD**	*12.60*
	24	10	**RXG13BD**	*11.00*	**RXG23BD**	*12.60*
	110	10	**RXG13FD**	*11.00*	**RXG23FD**	*12.60*
a.c.	24	10	**RXG13B7**	*10.60*	**RXG23B7**	*12.40*
	120	10	**RXG13F7**	*10.60*	**RXG23F7**	*12.40*
	230	10	**RXG13P7**	*10.60*	**RXG23P7**	*12.40*

RXG15RD

Clear cover relays

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A		2 C/O - 5 A	
V			Unit reference		Unit reference	Unit Price (S$)
d.c.	12	10	**RXG15JD**	*8.40*	**RXG25JD**	*9.20*
	24	10	**RXG15BD**	*8.40*	**RXG25BD**	*9.20*
	110	10	**RXG15FD**	*8.40*	**RXG25FD**	*9.20*
a.c.	24	10	**RXG15B7**	*8.00*	**RXG25B7**	*9.00*
	120	10	**RXG15F7**	*8.00*	**RXG25F7**	*9.00*
	230	10	**RXG15P7**	*8.00*	**RXG25P7**	*9.00*

Sockets with separate contact terminal arrangement and connector connection

Description	Sold in lots of	Relay type	Thermal Current (Ith)	Unit reference *(1)*	Unit Price (S$)
1 C/O socket with 1 pole	10	RXG1●●●	10 A	**RGZE1S35M**	*4.00*
2 C/O socket with 2 poles	10	RXG2●●●	5 A	**RGZE1S48M**	*5.00*

Accessories

Description	Sold in lots of	For use with	Unit reference *(1)*	Unit Price (S$)
Plastic ejector clip	10	All sockets	**RSZR215**	*1.00*
Socket ID tags		All sockets	**RSZL300**	*1.00*

(1) Please note that RGZE1S35M and RGZE1S48M sockets both come with RGZR215 ejector clip as standard.

Life Is On Schneider Electric

Electromechanical Plug-in relays

Miniature relays RXM*AB

*Range will undergo facelift from white to dark grey on 18th April 2016

unit price (excl. GST in Singapore Dollars)

Miniature relays without LED (sold in lots of 10)

Control circuit voltage		Number and type of contacts - Thermal current (Ith)					
		2 C/O -12 A		3 C/O - 10 A		4 C/O - 6 A	
		Unit	Unit	Unit	Unit	Unit	Unit
V		reference	Price (S$)	reference	Price (S$)	reference	Price (S$)
d.c.	12	**RXM2AB1JD**	*7.00*	**RXM3AB1JD**	*8.00*	**RXM4AB1JD**	*9.00*
	24	**RXM2AB1BD**	*7.00*	**RXM3AB1BD**	*8.00*	**RXM4AB1BD**	*9.00*
	48	**RXM2AB1ED**	*7.00*	**RXM3AB1ED**	*8.00*	**RXM4AB1ED**	*9.00*
	110	**RXM2AB1FD**	*7.00*	**RXM3AB1FD**	*8.00*	**RXM4AB1FD**	*9.00*
	220	**-**		**-**		**RXM4AB1MD**	*9.00*
a.c.	24	**RXM2AB1B7**	*7.00*	**RXM3AB1B7**	*8.00*	**RXM4AB1B7**	*9.00*
	48	**RXM2AB1E7**	*7.00*	**RXM3AB1E7**	*8.00*	**RXM4AB1E7**	*9.00*
	120	**RXM2AB1F7**	*7.00*	**RXM3AB1F7**	*8.00*	**RXM4AB1F7**	*9.00*
	230	**RXM2AB1P7**	*7.00*	**RXM3AB1P7**	*8.00*	**RXM4AB1P7**	*9.00*
	240	**-**		**-**		**RXM4AB1U7**	*9.00*

Miniature relays with LED (sold in lots of 10)

d.c.	12	**RXM2AB2JD**	*9.00*	**RXM3AB2JD**	*11.00*	**RXM4AB2JD**	*13.00*
	24	**RXM2AB2BD**	*9.00*	**RXM3AB2BD**	*11.00*	**RXM4AB2BD**	*13.00*
	48	**RXM2AB2ED**	*9.00*	**RXM3AB2ED**	*11.00*	**RXM4AB2ED**	*13.00*
	110	**RXM2AB2FD**	*9.00*	**RXM3AB2FD**	*11.00*	**RXM4AB2FD**	*13.00*
	125	**-**		**-**		**RXM4AB2GD**	*13.00*
a.c.	24	**RXM2AB2B7**	*9.00*	**RXM3AB2B7**	*11.00*	**RXM4AB2B7**	*13.00*
	48	**RXM2AB2E7**	*9.00*	**RXM3AB2E7**	*11.00*	**RXM4AB2E7**	*13.00*
	120	**RXM2AB2F7**	*9.00*	**RXM3AB2F7**	*11.00*	**RXM4AB2F7**	*13.00*
	230	**RXM2AB2P7**	*9.00*	**RXM3AB2P7**	*11.00*	**RXM4AB2P7**	*13.00*

Sockets

RXZE2M114M

Contact terminal arrangement	Connection	Thermal current Ith	Relay type	Sold in lots of	Unit reference	Unit Price (S$)
Mixed	Screw clamp terminals	10A	RXM 2●●●●*(1)* RXM 4●●●●	10	**RXZE2M114**	*5.00*
	Connector	10A	RXM 2●●●●*(1)* RXM 4●●●●	10	**RXZE2M114M**	*6.00*
Separate	Connector	12A	RXM 2●●●●	10	**RXZE2S108M**	*4.00*
		10A	RXM 3●●●●	10	**RXZE2S111M**	*6.00*
		10A	RXM 4●●●●	10	**RXZE2S114M**	*6.00*

Protection modules

Description	Voltage V	For use with	Sold in lots of	Unit reference	Unit Price (S$)
Diode	d.c. 6...250	All sockets	20	**RXM040W**	*4.00*
RC circuit	a.c. 24...60	All sockets	20	**RXM041BN7**	*5.00*
	a.c. 110...240	All sockets	20	**RXM041FU7**	*5.00*
Varistor	a.c./d.c. 6...250	All sockets	20	**RXM021RB**	*5.00*
	a.c./d.c. 24...60	All sockets	20	**RXM021BN**	*5.00*
	a.c./d.c. 110...240	All sockets	20	**RXM021FP**	*7.00*

Accessories

Description	For use with	Sold in lots of		Unit reference	Unit Price (S$)
Metal maintaining clamp	All sockets	10	*(3)*	**RXZ400**	*11.00*
Plastic maintaining clamp	All sockets	100	*(3)*	**RXZR335**	*80.00*
Bus jumper, 2-pole (Ith: 5 A)	All sockets with separate contacts	100		**RXZS2**	*1.00*
Mounting adapter for DIN rails *(2)*	All relays	20		**RXZE2DA**	*3.00*
Mounting adapter with fixing lugs for panel	All relays	20		**RXZE2FA**	*3.00*
Clip-in legends	All relays (sheet of 108 legends)	10		**RXZL520**	*16.00*
	All sockets except RXZ E2M114	100	*(3)*	**RXZL420**	*20.00*

(1) When mounting relay RXM 2●●●●● on socket RXZ E2M●●●●, the thermal current must not exceed 10 A.

(2) Test button becomes inaccessible.

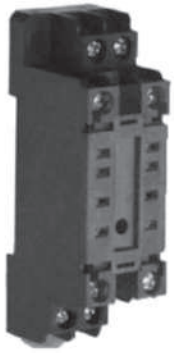
(3) Price is for pack (of 10 or 100).

Electromechanical Zelio Relay

Miniature relays RXM*LB

*Range will undergo facelift from white to dark grey on 18th April 2016

unit price (excl. GST in Singapore Dollars)



RXZ E1M•C

RXZ 420

RXZ 430

References

Miniature relays without lockable test-button, with LED
(sold in lots of 10)

Control circuit voltage	Number and type of contacts - Thermal current (Ith) 2 C/O - 5 A		4 C/O - 3A	
	Unit reference	Unit Price (S$)	Unit reference	Unit Price (S$)
V				
12 d.c.	**RXM2LB2JD**	8.20	**RXM4LB2JD**	10.20
24 d.c.	**RXM2LB2BD**	8.20	**RXM4LB2BD**	10.20
36 d.c.	**RXM2LB2CD**	8.20	**RXM4LB2CD**	10.20
48 d.c.	**RXM2LB2ED**	8.20	**RXM4LB2ED**	10.20
110 d.c.	**RXM2LB2FD**	8.20	**RXM4LB2FD**	10.20
24 a.c.	**RXM2LB2B7**	8.00	**RXM4LB2B7**	10.00
120 a.c.	**RXM2LB2F7**	8.00	**RXM4LB2F7**	10.00
230 a.c.	**RXM2LB2P7**	8.00	**RXM4LB2P7**	10.00

Miniature relays without lockable test-button, without LED
(sold in lots of 10)

Control circuit voltage	Number and type of contacts - Thermal current (Ith) 2 C/O - 5 A		4 C/O - 3A	
	Unit reference	Unit Price (S$)	Unit reference	Unit Price (S$)
V				
12 d.c.	**RXM2LB1JD**	5.10	**RXM4LB1JD**	7.20
24 d.c.	**RXM2LB1BD**	5.10	**RXM4LB1BD**	7.20
48 d.c.	**RXM2LB1ED**	5.10	**RXM4LB1ED**	7.20
24 a.c.	**RXM2LB1B7**	5.00	**RXM4LB1B7**	7.00
120 a.c.	**RXM2LB1F7**	5.00	**RXM4LB1F7**	7.00
230 a.c.	**RXM2LB1P7**	5.00	**RXM4LB1P7**	7.00

Sockets
(sold in lots of 10)

Contact terminal arrangement	Connection	Relay Type	Unit reference	Unit Price (S$)
Mixed	Screw clamp	RXM2	**RXZE1M2C**	3.10
	Screw clamp	RXM2 RXM4	**RXZE1M4C**	3.70

Accessories
(sold in lots of 10)

Description	For use with	Unit reference	Unit Price (S$)
Metal maintaining clamp	RXZE1M2C	**RXZ420**	6.00
	RXZE1M4C	**RXZ430**	6.00

note: If protection module needed, please use the RZE2● sockets with the associated protection module RXM0. You can find all the details in the RXM●AB range.

Life Is On Schneider Electric

Electromechanical Plug-in relays

Universal relays RUM

*Range was facelifted and renewed in 2015

unit price (excl. GST in Singapore Dollars)

Relays for standard applications, without LED (sold in lots of 10)

Pins	Control circuit voltage V		Number and type of contacts - Thermal current (Ith) 2 C/O -10 A Unit reference	Unit Price (S$)	3 C/O - 10 A Unit reference	Unit Price (S$)
Cylindrical	d.c.	12	**RUMC21JD**	*13.00*	**RUMC31JD**	*16.00*
		24	**RUMC21BD**	*13.00*	**RUMC31BD**	*16.00*
		48	**RUMC21ED**	*13.00*	**RUMC31ED**	*16.00*
		60	**–**		**RUMC31ND**	*16.00*
		110	**RUMC21FD**	*13.00*	**RUMC31FD**	*16.00*
		125	**–**		**RUMC31GD**	*16.00*
		220	**–**		**RUMC31MD**	*16.00*
	a.c.	24	**RUMC21B7**	*13.00*	**RUMC31B7**	*16.00*
		48	**RUMC21E7**	*13.00*	**RUMC31E7**	*16.00*
		120	**RUMC21F7**	*13.00*	**RUMC31F7**	*16.00*
		230	**RUMC21P7**	*13.00*	**RUMC31P7**	*16.00*

Relays for standard applications, with LED (sold in lots of 10)

Cylindrical	d.c.	12	**RUMC22JD**	*18.00*	**RUMC32JD**	*22.00*
		24	**RUMC22BD**	*18.00*	**RUMC32BD**	*22.00*
		48	**RUMC22ED**	*18.00*	**RUMC32ED**	*22.00*
		60	**–**		**RUMC32ND**	*22.00*
		110	**RUMC22FD**	*18.00*	**RUMC32FD**	*22.00*
		125	**–**		**RUMC32GD**	*22.00*
	a.c.	24	**RUMC22B7**	*18.00*	**RUMC32B7**	*22.00*
		48	**RUMC22E7**	*18.00*	**RUMC32E7**	*22.00*
		120	**RUMC22F7**	*18.00*	**RUMC32F7**	*22.00*
		230	**RUMC22P7**	*18.00*	**RUMC32P7**	*22.00*

Sockets

Contact terminal arrangement	Connection	Relay type	Sold in lots of	Unit reference	Unit Price (S$)
Mixed	Connector	RUM C2●●●●●	10	**RUZC2M**	*5.00*
		RUM C3●●●●●	10	**RUZC3M**	*7.00*
Separate	Connector	RUM C2●●●●●	10	**RUZSC2M**	*9.00*
		RUM C3●●●●●	10	**RUZSC3M**	*11.00*
		RUM F2●●●●● RUM F3●●●●●	10	**RUZSF3M**	*12.00*

Timer module

Description	For use with	Voltage V	Reference	Price (S$)
Multifunction	All sockets	d.c. or a.c. 24…240	**RUW101MW**	*191.00*

Accessories

Description	For use with	Sold in lots of		Unit reference	Unit Price (S$)
Metal maintaining clamp	All sockets	10		**RUZC200**	*3.00*
Bus jumper, 2-pole (Ith : 5 A)	All sockets with separate contacts	10	*(1)*	**RUZS2**	*9.00*
Clip-in legends	All relays (sheet of 108 legends)	10		**RXZL520**	*16.00*
	All sockets with separate contacts	10	*(1)*	**RUZL420**	*3.00*

(1) Price is for pack of 10

Electromechanical Plug-in relays

Power relays RPM

*Range will undergo facelift from white to dark grey in 2016

unit price (excl. GST in Singapore Dollars)

Power relays without LED (sold in lots of 10)

Control cirucit voltage		Number and type of contacts - Thermal current (Ith)							
		1 C/O - 15 A		2 C/O - 15 A		3 C/O - 15 A		4 C/O - 15 A	
V		Unit reference	Unit Price (S$)	Unit reference	Unit Price (S$)	Unit reference	Unit Price (S$)	Unit reference	Unit Price (S$)
d.c.	12	**RPM11JD**	*7.00*	**RPM21JD**	*13.00*	**RPM31JD**	*15.00*	**RPM41JD**	*19.00*
	24	**RPM11BD**	*7.00*	**RPM21BD**	*13.00*	**RPM31BD**	*15.00*	**RPM41BD**	*19.00*
	48	**RPM11ED**	*7.00*	**RPM21ED**	*13.00*	**RPM31ED**	*15.00*	**RPM41ED**	*19.00*
	110	**RPM11FD**	*7.00*	**RPM21FD**	*13.00*	**RPM31FD**	*15.00*	**RPM41FD**	*19.00*
a.c.	24	**RPM11B7**	*7.00*	**RPM21B7**	*13.00*	**RPM31B7**	*15.00*	**RPM41B7**	*19.00*
	48	**RPM11E7**	*7.00*	**RPM21E7**	*13.00*	**RPM31E7**	*15.00*	**RPM41E7**	*19.00*
	120	**RPM11F7**	*7.00*	**RPM21F7**	*13.00*	**RPM31F7**	*15.00*	**RPM41F7**	*19.00*
	230	**RPM11P7**	*7.00*	**RPM21P7**	*13.00*	**RPM31P7**	*15.00*	**RPM41P7**	*19.00*

Power relays with LED (sold in lots of 10)

d.c.	12	**RPM12JD**	*11.00*	**RPM22JD**	*15.00*	**RPM32JD**	*17.00*	**RPM42JD**	*22.00*
	24	**RPM12BD**	*11.00*	**RPM22BD**	*15.00*	**RPM32BD**	*17.00*	**RPM42BD**	*22.00*
	48	**RPM12ED**	*11.00*	**RPM22ED**	*15.00*	**RPM32ED**	*17.00*	**RPM42ED**	*22.00*
	110	**RPM12FD**	*11.00*	**RPM22FD**	*15.00*	**RPM32FD**	*17.00*	**RPM42FD**	*22.00*
a.c.	24	**RPM12B7**	*11.00*	**RPM22B7**	*15.00*	**RPM32B7**	*17.00*	**RPM42B7**	*22.00*
	48	**RPM12E7**	*11.00*	**RPM22E7**	*15.00*	**RPM32E7**	*17.00*	**RPM42E7**	*22.00*
	120	**RPM12F7**	*11.00*	**RPM22F7**	*15.00*	**RPM32F7**	*17.00*	**RPM42F7**	*22.00*
	230	**RPM12P7**	*11.00*	**RPM22P7**	*15.00*	**RPM32P7**	*17.00*	**RPM42P7**	*22.00*

Sockets

Contact terminal arrangement	Connection	Relay type	Sold in lots of	Unit reference	Unit Price (S$)
Mixed	Screw clamp terminals	RPM 1●●●	10	**RPZF1**	*8.00*
		RPM 2●●●	10	**RPZF2**	*11.00*
		RPM 3●●●	10	**RPZF3**	*13.00*
		RPM 4●●●	10	**RPZF4**	*13.00*

Protection modules

Description	Voltage V	Socket type	Sold in lots of	Unit reference	Unit Price (S$)
Diode	d.c. 6…250	RPZF1 RPZF2	20	**RXM040W**	*4.00*
		RPZF3 RPZF4	10	**RUW240BD**	*4.00*

Life Is On Schneider Electric

Relays
3-phase monitoring relays

unit price (excl. GST in Singapore Dollars)

3-phase supply control relays

RM17 TG measurement and control relays for 3-phase supplies monitor :
■ Correct sequencing of phases L1, L2 and L3 as well as the total loss of one or more of these phases.

RM17 TG00

RM17 TG20

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
	V			
■ **Phase sequence** ■ **Phase failure**	208…480 a.c.	1 C/O 5 A	**RM17TG00**	*123.00*
	208…440 a.c.	2 C/O 5A	**RM17TG20**	*134.00*

Multifunction 3-phase supply control relays

RM17 TT, RM17 TA, RM17 TU and RM17 TE multifunction control relays monitor the following on 3-phase supplies:

	RM17 TT	RM17 TA	RM17 TU	RM17 TE	RM35 TF
Sequence of phases L1, L2 and L3.	■	■	■	■	■
Phase failure with regeneration	■	■	■	■	■
Asymmetry		■		■	■
Undervoltage			■		■
Overvoltage and undervoltage				■	■

■ Function performed
Function not performed

RM17 TT00

RM17 TA00

RM17 TU00

RM17 TE00

RM35 TF30

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
	V			
■ Phase sequence ■ Phase failure	208…480 a.c.	1 C/O 5 A	**RM17TT00**	*150.00*
■ Phase sequence ■ Phase failure ■ Asymmetry	208…480 a.c.	1 C/O 5 A	**RM17TA00**	*199.00*
■ Phase sequence ■ Phase failure ■ Undervoltage	208…480 a.c.	1 C/O 5 A	**RM17TU00**	*144.00*
■ Phase sequence ■ Phase failure ■ Asymmetry ■ Undervoltage and overvoltage in window mode	208…480 a.c.	1 C/O 5 A	**RM17TE00**	*236.00*
■ Phase sequence ■ Phase failure ■ Asymmetry ■ Undervoltage and overvoltage in window mode	220…480 a.c.	2 C/O 5 A	**RM35TF30**	*298.00*

Relays
3-phase monitoring relays

unit price (excl. GST in Singapore Dollars)

Voltage measurement and control relays

RM17 UB310

RM35 UB330

RM35 UB3N30

Voltage measurement and control relays RM35UB330, RM17UB310 and RM35UB3N30 monitor the following, on 3-phase supplies:

	RM35UB330	RM17UB310	RM35UB3N30
Failure of one or more phases,	■	■	■
Absence of neutral			■
Overvoltage and undervoltage	■	■	■
Voltage between phases	220…480V	208…480V	
Voltage between phases and neutral.			120…277V

■ Function performed
Function not performed

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
	V			
■ Overvoltage and undervoltage between phases	220…480 a.c. (phase-phase)	1 C/O +1C/O 1 per threshold 5A	**RM35UB330**	*257.00*
	208…480 a.c. (phase-phase)	1 C/O 5 A	**RM17UB310**	*205.00*
■ Overvoltage and undervoltage between phases and neutral ■ Absence of neutral	120…277 a.c. (phase-neutral)	1 C/O +1C/O 1 per threshold 5A	**RM35UB3N30**	*277.00*

Life Is On Schneider Electric

Relays
Level/ Speed monitoring relays

unit price (excl. GST in Singapore Dollars)

Level control relays

Level control relays RM35 LM33MW and RM35LV14MW control one or two levels, with fill or empty function:
- RM35 LM33MW: control by resistive level probe
- RM35LV14MW: control by discrete sensor.

Function	Supply voltage	Output	Reference	*Price (S$)*
	V			
Detection by resistive probes	24…240 V ac/dc	2 C/O 5A	**RM35LM33MW**	*123.00*
Detection by discrete sensors	24…240 V ac/dc	1 C/O 5A	**RM35LV14MW**	*155.00*

Speed control relay

Speed control relay RM35 S0MW monitors:
- Underspeed:
  - without memory,
  - with memory,
  - with inhibition by external contact S2.
- Overspeed:
  - without memory,
  - with memory,
  - with inhibition by external contact S2.

Speed control relay RM35 S0MW measures via:
- A 3-wire PNP or NPN proximity sensor input,
- A Namur proximity sensor input,
- A 0-30 V voltage input,
- A volt-free contact input.

RM35 S0MW

Function	Supply voltage	Measurement Input	Output	Reference	*Price (S$)*
	V				
■ Underspeed ■ Overspeed	24…240 a.c./d.c.	■ 3-wire PNP or NPN proximity sensor ■ Namur proximity sensor, ■ 0-30 V voltage, ■ Volt-free contact.	1 C/O 5A	**RM35S0MW**	*232.00*

Relays
Voltage monitoring relays

unit price (excl. GST in Singapore Dollars)

Multifunction voltage control relays

Multifunction voltage control relays RM35 UA1● MW monitor both a.c. and d.c. voltages.
- Automatic dc or ac recognition,
- Measurement ranges from 0.05 V to 600 V,
- Selection between overvoltage and undervoltage,
- Measurement as true rms value,
- Selectable memory function.

Function	Ranges controlled	Supply voltage	Output	Reference	Price (S$)
	V	**V**			
■ Overvoltage or undervoltage	0.05…5	24…240 V ac/dc	2 C/O 5A	**RM35UA11MW**	*171.00*
	1…100	24…240 V ac/dc	2 C/O 5A	**RM35UA12MW**	*171.00*
	15…600	24…240 V ac/dc	2 C/O 5A	**RM35UA13MW**	*171.00*

Single-phase and d.c. voltage measurement and control relays

Single-phase and d.c. voltage measurement and control relays RM17UAS and RM17UBE monitor the following:

RM17	UAS14	UAS15	UAS16	UBE15	UBE16
Overvoltage	■	■	■		
Undervoltage	■	■	■		
Overvoltage and undervoltage				■	■
(window mode)				■	■
Nominal voltages (V)	12V dc	110…240V ac/dc	24…48V ac/dc	110…240V ac/dc	24…48V ac/dc

■ Function performed
Function not performed

Function	Ranges controlled	Nominal voltage	Output	Reference	Price (S$)
	V	**V**			
■ Overvoltage or undervoltage	9…15 V dc	12 V dc	1 C/O 5A	**RM17UAS14**	*115.00*
	20…80 V ac/dc	24…48 V ac/dc	1 C/O 5A	**RM17UAS16**	*150.00*
	65…260 V ac/dc	110…240 V ac/dc	1 C/O 5A	**RM17UAS15**	*150.00*
■ Overvoltage and undervoltage in window mode	20…80 V ac/dc	24…48 V ac/dc	1 C/O 5A	**RM17UBE16**	*155.00*
	65…260 V ac/dc	110…240 V ac/dc	1 C/O 5A	**RM17UBE15**	*155.00*

Life Is On Schneider Electric

Relays
Current/ Frequency monitoring relays

unit price (excl. GST in Singapore Dollars)

Current monitoring relays

The control relay RM17 JC00MW is designed to monitor a.c. currents.
- Integrated current transformer,
- Measurement range 2…20 A,
- Choice of action on the output relay.

Function	Supply	Measurement range	Output	Reference	Price (S$)
	V	**A**			
■ Overcurrent	24…240 V ac/dc	2…20	1 C/O 5A	**RM17JC00MW**	*150.00*

Multifunction current monitoring relays

Multifunction current control relays RM35 JA3●MW monitor both a.c. and d.c. currents.
- Automatic a.c. or d.c. recognition,
- Measurement ranges from 2 mA to 15 A,
- Selection between overcurrent and undercurrent,
- Measurement as true rms value,
- Selectable memory function.

Function	Range controlled	Supply	Output	Reference	Price (S$)
		V			
■ Overcurrent or overvoltage	2…500mA	24…240 V ac/dc	2 C/O 5A	**RM35JA31MW**	*164.00*
	0.15…15A	24…240 V ac/dc	2 C/O 5A	**RM35JA32MW**	*205.00*

Frequency monitoring relay

RM35 HZ21FM

Frequency control relay RM35 HZ monitors frequency variations on 50 or 60 Hz a.c. supplies:
- Over-frequency and under-frequency with two independent relay outputs.
- Selectable memory function.

Function	Range controlled	Supply voltage	Output	Reference	Price (S$)
	Hz	**V**			
Over-frequency and under-frequency 50 or 60 Hz	40…60 Hz (50 Hz) / 50…70 Hz (60 Hz)	120…277 ac	1 C/O + 1 C/O 5A	**RM35HZ21FM**	*236.00*

Relays

Lift/ Pump/ Motor monitoring relays

unit price (excl. GST in Singapore Dollars)

Lift motor room temperature monitoring

Measurement and control relays RM35 ATL0MW, RM35ATR5MW and RM35ATW5MW are designed for monitoring the temperature in elevator machine rooms, in compliance with directive EN81.

- PT 100 input,
- Adjustable control around 5 °C and 40 °C,
- Independent adjustment of high and low thresholds,
- Possibility of integrated phase control,

RM35ATL0MW
RM35ATR5MW

RM35ATW5MW

Function	Supply voltage	3-phase control	Output	Reference	Price (S$)
	V	V			
■ Over-temperature: 34…46 °C ■ Under-temperature: - 1…11 °C	24…240 a.c./d.c.	-	1 C/O 5A	**RM35ATL0MW**	*147.00*
		-	2 N/O 5A	**RM35ATR5MW**	*157.00*
■ Over-temperature: 34…46 °C ■ Under-temperature: - 1…11 °C ■ Phase sequence ■ Phase failure	24…240 a.c./d.c.	208…480 a.c.	2 N/O 5A	**RM35ATW5MW**	*242.00*

Pump protection current monitor + 3 phase monitor

Measurement and control relay RM35 BA10 is used for control and monitoring of 3-phase and single-phase pumps.It monitors:

- The sequence of phases L1, L2 and L3.
- The absence of one or more phases,
- Undercurrent for protection against running empty,
- Overcurrent for protection against overload.

RM35 BA10

Function	Current range controlled	Supply voltage	Output	Reference	Price (S$)
	A	V			
3-phase: ■ Phase sequence ■ Phase failure ■ Overcurrent and undercurrent control **Single-phase:** ■ Overcurrent and undercurrent control	1…10	■ 208…480 a.c. 3-phase ■ 230 a.c. single-phase	1 C/O 5A	**RM35BA10**	*308.00*

Motor protection winding temperature monitor + 3 phase monitor

Motor temperature measurement and control relays RM35TM50MW and RM35TM250MW monitor the following, on 3-phase supplies:
correct sequencing of phases L1, L2 and L3, phase failure and motor temperature via PTC probes (with or without memory).

RM35 TM50MW

RM35 TM250MW

Function	Supply voltage	3-phase supply voltage	Output	Reference	Price (S$)
	V	V			
■ Phase sequence ■ Phase failure ■ Motor temperature via PTC probe	24…240 a.c./d.c.	208…480 a.c.	2 N/O 5 A	**RM35TM50MW**	*232.00*
■ Phase sequence ■ Phase failure ■ Motor temperature via PTC probe ■ Selection (with or without memory) ■ "Test/Reset" button	24…240 a.c./d.c.	208…480 a.c.	2 N/O 5 A	**RM35TM250MW**	*245.00*

Life Is On Schneider Electric

Zelio Control - Measurement and control relays

Multifunction 3-phase control relays & 1-phase or DC voltage control relays

New!

unit price (excl. GST in Singapore Dollars)

Multifunction 3-phase control relays RM22TA, RM22TU, RM22TR, and RM22TG

RM22T●●●

RM22 Zelio multifunction control relays monitor the following functions on 3-phase supplies

Functions	RM22TA	RM22TU	RM22TR	RM22TG
Sequence of phases L1, L2, and L3	■	■	■	■
Phase failure with regeneration	■	■	■	■
Asymmetry	■	□	□	□
Undervoltage	□	■	□	□
Overvoltage and undervoltage	□	□	■	□

■ Function performed
□ Function not performed

References

Function	Rated 3-phase supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
	V	V				
-Phase sequence -Phase failure	200…240~	200…240~	Off delay (0.1...30 s)	2 C/O 8 A	**RM22TA31**	*140.00*
-Asymmetry	380…480~	380…480~	Off delay (0.1...30 s)	2 C/O 8 A	**RM22TA33**	*180.00*
-Phase sequence -Phase failure	200…240~	200…240~	On/Off delay (0.1...30 s)	2 C/O 8 A	**RM22TR31**	*180.00*
-Under voltage and overvoltage	380…480~	380…480~	On/Off delay (0.1...30 s)	2 C/O 8 A	**RM22TR33**	*180.00*
-Phase sequence -Phase failure	200…240~	200…240~	No	2 C/O 8 A	**RM22TU21**	*100.00*
-Under voltage	380…480~	380…480~	No	2 C/O 8 A	**RM22TU23**	*120.00*
-Phase sequence -Phase failure	208…480~	183…528~	No	2 C/O 8 A	**RM22TG20**	*90.00*

1-phase or DC voltage control relays RM22UA and RM22UB

RM22UA21MR

RM22UA23MR

RM22UA33MR

RM22UA33MT

RM22UB34

RM22UA and RM22UB 1-phase or DC voltage control relays monitor the following functions:

Functions	RM22UA2●MR	UA3●MR	UA33MT	UB34
Overvoltage (without memory)	■	□	□	□
Undervoltage (with/without memory)	□	■	□	□
Overvoltage (with/without memory)	□	■	■	□
Overvoltage or undervoltage (windows mode)	□	■	■	■

■ Function performed
□ Function not performed

References

Function	Rated supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
	V	V				
-Overvoltage without memory	24…240 ≂	0.05…5 ≂	No	2 C/O 8 A	**RM22UA21MR**	*130.00*
	24…240 ≂	1…100 ≂	No	2 C/O 8 A	**RM22UA22MR**	*130.00*
	24…240 ≂	15…500 ≂	No	2 C/O 8 A	**RM22UA23MR**	*150.00*
-Overvoltage and undervoltage with/ without memory -Overvoltage and undervoltage with memory window	24…240 ≂	0.05…5 ≂	Off delay (0.1...30 s)	2 C/O 8 A	**RM22UA31MR**	*200.00*
	24…240 ≂	1…100 ≂	Off delay (0.1...30 s)	2 C/O 8 A	**RM22UA32MR**	*200.00*
	24…240 ≂	15…500 ≂	Off delay (0.1...30 s)	2 C/O 8 A	**RM22UA33MR**	*210.00*
	380…415 ~	15…500 ~	Off delay (0.1...30 s)	2 C/O 8 A	**RM22UA33MT**	*230.00*
-Overvoltage and undervoltage without memory	110…240 ≂	80…300 ≂	On/Off delay (0.1...30 s)	2 C/O 8 A	**RM22UB34**	*200.00*

3

Zelio Control - Measurement and control relays

Current control relays

New!

unit price (excl. GST in Singapore Dollars)

Current control relays — RM22JA and RM35JA

RM22JA and RM35JA multifunction current control relays monitor the following functions:

Functions	RM22JA21MR	RM22JA31MR	RM35JA 32MR/32MT
Overcurrent (without memory)	■		
Overcurrent (with/without memory)		■	■
Undercurrent (with/without memory)		■	■
Overcurrent and undercurrent (with/without memory) (window mode)		■	■

■ Function performed
□ Function not performed

References

Function	Rated 3-phase supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
	V	mA				
-Overcurrent without memory	24…240 ≂	4…1000 ≂	No	2 C/O 8 A	**RM22JA21MR**	*150.00*
-Overcurrent with/ without memory	24…240 ≂	4…1000 ≂	Off delay (0.1...30 s)	2 C/O 8 A	**RM22JA31MR**	*150.00*
-Undercurrent with/ without memory	24…240 ≂	150…15000 ≂	Off delay (0.1...30 s)	2 C/O 8 A	**RM35JA32MR**	*120.00*
-Overcurrent and undercurrent (windows mode) with/without memory	380…415~	150…15000~	Off delay (0.1...30 s)	2 C/O 8 A	**RM35JA32MT**	*120.00*

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Zelio Control - Measurement and control relays

Liquid level control relays

New!

unit price (excl. GST in Singapore Dollars)

Liquid level control relays — RM22LA and RM22LG

RM22LG11MR

RM22LA32MT

RM22LA and RM22LG liquid level control relays control one or two liquid levels, with a fill or empty function:

Functions	RM22LA 32MR/32MT	RM22LG 11MR/11MT
Level 1/Level 2		
Fill operation		
Empty operation		
Low sensitivity		
Standard sensitivity		
High sensitivity		

Function performed
Function not performed

Liquid level control relays

RM22LG11MR

RM22LG11MT

RM22LA32MR

RM22LA32MT

Function	Rated supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
	V	**ohm**				
-Level 1/ Level 2	24…240 ~	5 K…100 K	None	1 C/O 8A	**RM22LG11MR**	*110.00*
-Fill operation	380…415~				**RM22LG11MT**	*110.00*
-Empty operation	24…240 ~	250… 1 m	On/Off Delay	2 C/O 8A	**RM22LA32MR**	*210.00*
	380…415~		0.1…30 s		**RM22LA32MT**	*220.00*

3

Zelio Time - timing relays

Modular relays with solid state or relay output, width 17.5 mm

unit price (excl. GST in Singapore Dollars)

Modular relays with solid state output 0.7 A

Solid state output

- *Multifunction, dual function or single function*
- *Multi-range (7 selectable ranges)*
- *Multivoltage*
- *Solid state output: 0.7 A*
- *Screw terminals*

RE17LAMW *RE17LLBM*

Functions	Time range	Function	Supply voltages	Reference	Price (S$)
Single function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A	24V... 240V ac/dc	**RE17LAMW**	*55.20*
		H	24V... 240V ac	**RE17LHBM**	*60.00*
		C	24V... 240V ac	**RE17LCBM**	*55.20*
Dual function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	L, Li	24V... 240V ac	**RE17LLBM**	*59.80*
Multifunction	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At, B, C, H, Ht, D, Di, Ac, Bw	24V... 240V ac	**RE17LMBM**	*69.00*

Modular relays with relay output, 1 C/O contact

Relay output, 1 C/O contact

- *Dual function or single function*
- *Multi-range (7 selectable ranges)*
- *Multivoltage*
- *1 relay output: 8 A*
- *Screw terminals*
- *State indication by 1 LED*
- *Option of supplying a load in parallel*
- *3-wire sensor control option*

RE17R•M•

Functions	Time range	Function	Supply voltages	Reference	Price (S$)
Single function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	B	24V dc 24V... 240V ac	**RE17RBMU**	*46.00*
		C	24V dc 24V... 240V ac	**RE17RCMU**	*46.00*
Dual function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At	24V dc 24V... 240V ac	**RE17RAMU**	*46.00*
		H, Ht	24V dc 24V... 240V ac	**RE17RHMU**	*46.00*
		L, Lt	24V dc 24V... 240V ac	**RE17RLMU**	*46.00*
			12V ac/dc	**RE17RLJU**	*46.00*
Multifunction	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At, B, C, H, Ht, D, Di, Ac, Bw	12V ac/dc	**RE17RMJU**	*55.20*
			24V dc 24V... 240V ac	**RE17RMMU**	*59.80*
			12V... 240V ac/dc	**RE17RMMW**	*64.40*
				RE17RMMWS	*69.00*
		Ad, Ah, N, O, P, Pt, T, Tt, W	24V dc 24V... 240V ac	**RE17RMXMU**	*73.00*
	1 s, 10 s, 1 min, 10 min, 1 h, 10 h,	A, At, B, C, H, Ht, D, Di,	24V dc 24V... 240V ac	**RE17RMEMU**	*59.80*

Life Is On Schneider Electric

Timing relays

Modular single, dual, or multifunction relays with diagnostic button and dial pointer, relay output, width 22.5 mm/0.886 in.

New!

unit price (excl. GST in Singapore Dollars)

Output 1 C/O and 2 C/O contacts
-Multifunction, dual function, or single function
-Multiple timing ranges (up to 10 switchable ranges)
-Multivoltage
-1 or 2 relay outputs: 8 A - 250 V
-Screw terminals
-State indication by LED
-Option of supplying a load in parallel
-3-wire sensor control option
-Diagnostic button (1) and dial pointer
LED indicator

RE22R2QTMR

RE22R2KMR

RE22R2QEMR

RE22R2HMR

Timing ranges	Functions	No. of relay outputs	Voltages	Reference	Price (S$)
			V		
Single Function					
10 selectable timing ranges 1s, 3s, 10s, 30s, 100s, 300s, 30min, 300min, 30h, 300h	Ac	2	≂ 24…240	**RE22R2ACMR**	*118.00*
	Qg	2	≂ 24…240	**RE22R2QGMR**	*138.00*
	Qt	2	≂ 24…240	**RE22R2QTMR**	*138.00*
7 selectable timing ranges 1s, 3s, 10s, 30s, 100s, 300s, 10min	K	1	≂ 24…240	**RE22R1KMR** (1) (2)	*140.00*
		2	≂ 24…240	**RE22R2KMR** (1) (2)	*170.00*
7 selectable timing ranges 0.5s, 1s, 3s, 10s, 30s, 100s, 300s	Qc	1	≂ 24/~ 24…240	**RE22R1QCMU**	*55.00*
Single range selection 30s	Qe	2	≂ 24…240	**RE22R2QEMR**	*80.00*
		2	~380…415	**RE22R2QEMT**	*80.00*
Dual function					
10 selectable timing ranges 1s, 3s, 10s, 30s, 100s, 300s, 30min, 300min, 30h, 300h	A, Aw	1	≂ 24…240	**RE22R1AMR**	*100.00*
		2	≂ 24…240	**RE22R2AMR**	*130.00*
	C, Ct	1	≂ 24…240	**RE22R1CMR**	*100.00*
		2	≂ 24…240	**RE22R2CMR**	*138.00*
	Ac, Act	1	≂ 24…240	**RE22R1ACMR**	*110.00*
	Ak, Akt	1	≂ 24…240	**RE22R1AKMR**	*138.00*
	D, Dw	1	≂ 24…240	**RE22R1DMR**	*85.00*
		2	≂ 24…240	**RE22R2DMR**	*95.00*
	H, Hw	1	≂ 24…240	**RE22R1HMR**	*93.00*
		2	≂ 24…240	**RE22R2HMR**	*168.00*
	Wt, W	1	≂ 24…240	**RE22R2MWMR**	*100.00*
7 selectable timing ranges 0.5s, 1s, 3s, 10s, 30s, 100s, 300s	K, He	1	≂ 24…240	**RE22R1MKMR** (1) (2)	*73.00*
10 selectable timing ranges 1s, 3s, 10s, 30s, 100s, 300s, 30min, 300min, 30h, 300h	A, At, Aw,	1	≂ 24…240	**RE22R1MAMR**	*100.00*
	A, At, Aw, Ac, Act,C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, W, Wt	1	≂ 24…240	**RE22R1MYMR**	*130.00*
	A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, Qg, Qgt, Qt, Qtt, W, Wt	2	≂ 24…240	**RE22R2MYMR**	*175.00*
	L, Li, Lt, Lit	1	≂ 24…240	**RE22R1MLMR**	*170.00*

(1) The diagnostic button is not available for the K function related references (RE22R1KMR, RE22R2KMR, and RE22R1MKMR).
(2) 1 or 2 relay outputs: 5 A - 250 V

3

Timing relays

Modular single, dual, or multifunction relays,
relay output, width 22.5 mm/0.886 in.

New!

unit price (excl. GST in Singapore Dollars)

Output 1 C/O and 2 C/O contacts
-Multifunction, dual function, or single function
-Multiple timing ranges (7 switchable ranges)
-Multivoltage
-1 or 2 relay outputs: 8 A - 250 V
-Screw or spring terminals
-State indication by LED
-Option of supplying a load in parallel
-3-wire sensor control option

Multifunction

Timing ranges	Functions	No. of relay outputs	Voltages	Reference	Price (S$)
			V		
7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	Q	1	⎓ 24/∿24...240	**RE22R1QMU**	*85.00*
		1	~ 230/380	**RE22R1QMQ**	*85.00*

Dual Function

7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	A, At	2	⎓ 24/∿24...240	**RE22R2AMU**	*117.30*

Multifunction

7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	A, At, B C, H, Ht, Di, D, Ac, Bw	2	⎓ 24/∿24...240	**RE22R2MMU** *(1)*	*95.00*
			⎓12	**RE22R2MJU** *(1)*	*95.00*
			⎓12...240	**RE22R2MMW** *(1)*	*117.30*

(1) Connection by screw terminals.

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Life Is On Schneider Electric

Zelio Time - timing relays

New!

Selection Table

Selection Criteria

- **Functions** (On-delay or Off-delay, counter, flashing…)
- **Supply voltage** (example: a/c 12 V…240 V).
- **Timing range** for a timing relay (example: 0.05 s…100 h)
- **Type of output** (contact or solid state) and required Number of contacts.
- **Breaking capacity** or **Rated current** of contacts, expressed in Amperes.

This is the maximum current which may flow through the contacts.

Functions	Timing range	Supply voltage	Type of output	Rated current	Relay
A	0.1 s...100 h	⎓12 V	2 C/O contacts 4 C/O contacts	5 A 3 A	REXL2TMJD REXL4TMJD
	0.1 s...100 h	⎓24 V	2 C/O contacts 4 C/O contacts	5 A 3 A	REXL2TMBD REXL4TMBD
	0.1 s...100 h	~24 V	2 C/O contacts 4 C/O contacts	5 A 3 A	REXL2TMB7 REXL4TMB7
	0.1 s...100 h	~120 V	2 C/O contacts 4 C/O contacts	5 A 3 A	REXL2TMF7 REXL4TMF7
	0.1 s...100 h	~230 V	2 C/O contacts 4 C/O contacts	5 A 3 A	REXL2TMP7 REXL4TMP7
	0.1 s...100 h 0.02 s...300 h	≂24...240 V	2 timed C/O contacts	0.7 A 5 A	RE17LAMW RE48ATM12MW
A, Ac, At, B, Bw, C, D, Di, H, Ht	0.1 s...100 h	~24...240 V	1 solid state output	0.7 A	RE17LMBM
	0.1 s...100 h	≂12 V	1 C/O contact	8 A	RE17RMJU
	0.1 s...100 h	≂12...240 V	1 C/O contact	8 A 8 A	RE17RMMW RE17RMMWS
	0.1 s...100 h	⎓24 V, ~24...240 V	1 C/O contact	8 A	RE17RMMU
	0.1 s...100 h	⎓24/~24...240 V ≂12 V ≂12...240 V	2 C/O contact	8 A	RE22R2MMU RE22R2MJU RE22R2MMW
A, At	0.1 s...100 h	⎓24 V, ~24...240 V	1 C/O contact	8 A	RE17RAMU
	0.1 s...100 h	⎓24 V, ~24...240 V	2 C/O contact	8 A	RE22R2AMU
A, Aw	0.05 s...300 h	≂24...240 V	1 C/O contact 2 C/O contacts	8 A	RE22R1AMR RE22R2AMR
A, At, Aw	0.05 s...300 h	≂24...240 V	1 C/O contact	8 A	RE22R1MAMR
A, At, B, C, D, Di, H, Ht	0.1 s...10 h	⎓24 V, ~24...240 V	1 C/O contact	8 A	RE17RMEMU
A, B, C, Di	0.02 s...300 h	≂24...240 V	2 C/O contacts	5 A	RE48AML12MW
A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, Qg, Qgt, Qt, Qtt, Qtw, W, Wt	0.05 s...300 h	≂24...240 V	2 C/O contacts	8 A	RE22R2MYMR
A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, W, Wt, Ac, Act	0.05 s...300 h	≂24...240 V	1 C/O contact	8 A	RE22R1MYMR

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Zelio Time - timing relays

New!

Selection Table

Functions	Timing range	Supply voltage	Type of output	Rated current	Relay
A1, A2, H1, H2	0.02 s... 300 h	≂ 24... 240 V	2 C/O contacts	5 A	RE48AMH13MW
Ac	0.05 s... 300 h	≂ 24... 240 V	2 C/O contacts	8 A	RE22R2ACMR
Ac, Act	0.05 s... 300 h	≂ 24... 240 V	1 C/O contact	8 A	RE22R1ACMR
Ad, Ah, N, O, P, Pt, Tl, Tt, W	0.1 s... 100 h 0.1 s... 100 h	⎓ 24 V, ∿ 24... 240 V ⎓ 24 V/∿ 24... 240 V	1 C/O contact 2 C/O contacts	8 A 8 A	RE17RMXMU RE22R2MXMU
Ak, Akt	0.05 s to 300 h	≂ 24... 240 V	1 C/O contact	8 A	RE22R1AKMR
B	0.1 s... 100 h	⎓ 24 V, ∿ 24... 240 V	1 C/O contact	8 A	RE17RBMU
C	0.1 s... 100 h	∿ 24... 240 V	1 solid state output	0.7 A	RE17LCBM
C, Ct	0.05 s to 300 h	≂ 24... 240 V	1 C/O contact 2 C/O contacts	8 A 8 A	RE22R1CMR RE22R2CMR
D, Dw	0.05 s to 300 h	≂ 24... 240 V	1 C/O contact 2 C/O contacts	8 A 8 A	RE22R1DWMR RE22R2DMR
H	0.1 s... 100 h	∿ 24... 240 V	1 solid state output	0. 7 A	RE17LHBM
H, Hw	0.05 s to 300 h	≂ 24... 240 V	1 C/O contact 2 C/O contacts	8 A 8 A	RE22R1HMR RE22R2HMR
H, Ht	0.1 s... 100 h	⎓ 24 V, ∿ 24... 240 V	1 C/O contact	8 A	RE17RHMU
K	0.05 s... 10 min	≂ 24... 240 V	1 C/O contact 2 C/O contacts	5 A 5 A	RE22R1KMR RE22R2KMR
K, He	0.05 s to 300 h	≂ 24... 240 V	1 C/O contact t	5 A	RE22R1MKMR
L, Li	0.1 s... 100 h 0.1 s... 100 h 0.1 s... 100 h 0.02 s... 300 h	⎓ 24 V, ∿ 24... 240 V ∿ 24... 240 V ≂ 12 V ≂ 24... 240 V	1 C/O contact 1 solid state output 1 C/O contact 2 timed C/O contacts	8 A 0.7 A 8 A 5 A	RE17RLMU RE17LLBM RE17RLJU RE48ACV12MW
L, Lt, Li, Lit	0.05 s... 300 h	≂ 24... 240 V	1 C/O contact	8 A	RE22R1MLMR
Q	0.1 s... 100 h	⎓ 24 V, ∿ 24... 240 V ∿ 230... 240 V, ∿ 380 ... 440 V	1 C/O contact 1 C/O contact	8 A 8 A	RE22R1QMU RE22R1QMQ
Qc	0.05 s... 300 h	≂ 24 V, ∿ 24... 240 V	1 C/O contact	8 A	RE22R1QCMU
Qe	0.3 s... 30 s	∿ 380... 415 V	2 C/O contacts	8 A	RE22R2QEMT
	0.3 s... 30 s	≂ 24... 240 V	2 C/O contacts	8 A	RE22R2QEMR
Qg	0.05 s to 300 h	≂ 24... 240 V	2 C/O contacts	8 A	RE22R2QGMR
Qt	0.05 s to 300 h	≂ 24... 240 V	2 C/O contacts	8 A	RE22R2QTMR
W, Wt	0.05 s... 300 h	≂ 24... 240 V	2 C/O contacts	8 A	RE22R2MWMR

Life Is On Schneider Electric

Timing relays

Miniature plug-in relays, relay output

New!

unit price (excl. GST in Singapore Dollars)

Relay output, 2 and 4 C/O contacts

- Miniature and plug-in (21 x 27 mm)
- Function A : on-delay
- 7 timing ranges: 0.1 s to 100 h
- Excellent immunity to interference
- Power on and relay energised indication by 2 LEDs

Timing ranges	7 switchable ranges	0.1 s…1 s - 1 s…10 s - 0.1 min…1 min - 1 min…10 min - 0.1 h…1 h - 1 h…10 h -10 h…100 h			
Relay output		4 timed C/O contacts		2 timed C/O contacts	
Rated current	a.c. 5 A	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
Voltages	d.c. 12 V	**REXL4TMJD**	*45.00*	**REXL2TMJD**	*45.00*
	d.c. 24 V *(1)*	**REXL4TMBD**	*45.00*	**REXL2TMBD**	*45.00*
	a.c. 24 V 50/60 Hz *(1)*	**REXL4TMB7**	*45.00*	**REXL2TMB7**	*45.00*
	a.c. 120 V 50/60 Hz	**REXL4TMF7**	*45.00*	**REXL2TMF7**	*45.00*
	a.c. 230 V 50/60 Hz	**REXL4TMP7**	*45.00*	**REXL2TMP7**	*45.00*
Sockets *(2)* **with mixed contact terminals** *(3)*	With screw clamp terminals *(5)*	**RXZE2M114**	*5.00*	**RXZE2M114**	*5.00*
	With connector (5)	**RXZE2M114M**	*6.00*	**RXZE2M114M**	*6.00*
Sockets *(2)* **with separate contact terminals** *(4)*	With connector *(6)*	**RXZE2S114M**	*6.00*	**RXZE2S108M**	*4.00*

(1) For c 48 V supply, additional resistor 560 Ω 2 W / c 24 V.
For a 48 V supply, additional resistor 390 Ω 4 W / a 24 V.
(2) These products are sold in lots of 10.
(3) The inputs are mixed with the relay's supply terminals, with the outputs being located on the opposite side of the socket.
(4) The inputs and outputs are separated from the relay supply terminals.
(5) Thermal current Ith: 10 A
(6) Thermal current Ith: 12 A

Smart relays
Compact, SR2

unit price (excl. GST in Singapore Dollars)

Compact smart relays with display

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Transistor outputs	Clock	Reference	Price (S$)
Supply 12Vdc							
12	8	4	4	0	Yes	**SR2B121JD**	*247.00*
20	12	6	8	0	Yes	**SR2B201JD**	*330.00*
Supply 24Vdc							
10	6	0	4	0	No *(1)*	**SR2A101BD**	*224.40*
12	8	4	4	0	Yes	**SR2B121BD**	*251.10*
	8	4	0	4	Yes	**SR2B122BD**	*279.00*
20	12	2	8	0	No *(1)*	**SR2A201BD**	*291.00*
	12	6	8	0	Yes	**SR2B201BD**	*330.00*
	12	6	0	8	Yes	**SR2B202BD**	*378.00*
Supply 24Vac							
12	8	0	4	0	Yes	**SR2B121B**	*251.10*
20	12	0	8	0	Yes	**SR2B201B**	*330.00*
Supply 100...240Vac							
10	6	0	4	0	No *(1)*	**SR2A101FU**	*224.40*
12	8	0	4	0	Yes	**SR2B121FU**	*251.10*
20	12	0	8	0	No *(1)*	**SR2A201FU**	*291.00*
	12	0	8	0	Yes	**SR2B201FU**	*330.00*

Compact smart relays without display

Supply 24Vdc							
10	6	0	4	0	No *(1)*	**SR2D101BD**	*186.50*
12	8	4	4	0	Yes	**SR2E121BD**	*222.40*
20	12	2	8	0	No *(1)*	**SR2D201BD**	*264.40*
	12	6	8	0	Yes	**SR2E201BD**	*265.40*
Supply 24Vac							
12	8	0	4	0	Yes	**SR2E121B**	*222.40*
20	12	0	8	0	Yes	**SR2E201B**	*265.40*
Supply 100...240Vac							
10	6	0	4	0	No *(1)*	**SR2D101FU**	*186.50*
12	8	0	4	0	Yes	**SR2E121FU**	*222.40*
20	12	0	8	0	No *(1)*	**SR2D201FU**	*264.40*
	12	0	8	0	Yes	**SR2E201FU**	*265.40*

Compact "Discovery" packs

Number	Pack contents	Reference	Price (S$)
Supply 24Vdc			
12	A **SR2B121BD** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR2PACKBD**	*376.10*
20	A **SR2B201BD** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR2PACK2BD**	*451.90*
Supply 100...240Vac			
12	A **SR2B121FU** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR2PACKFU**	*380.20*
20	A **SR2B201FU** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR2PACK2FU**	*451.90*

(1) With NO clock: Programming on smart relay in LADDER language only.

Life Is On Schneider Electric

Smart relays
Modular, SR3

unit price (excl. GST in Singapore Dollars)

Modular smart relays with display

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Transistor outputs	Clock	Reference	Price (S$)
Supply 24Vdc							
10	6	4	4	0	Yes	**SR3B101BD**	*254.20*
	6	4	0	4	Yes	**SR3B102BD**	*254.20*
26	16	6	10 *(1)*	0	Yes	**SR3B261BD**	*358.70*
	16	6	0	10	Yes	**SR3B262BD**	*421.20*
Supply 24Vac							
10	6	0	4	0	Yes	**SR3B101B**	*254.20*
26	16	0	10 *(1)*	0	Yes	**SR3B261B**	*358.70*
Supply 100...240Vac							
10	6	0	4	0	Yes	**SR3B101FU**	*254.20*
26	16	0	10 *(1)*	0	Yes	**SR3B261FU**	*358.70*

Discrete I/O extension modules *(2)*

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Reference	*Price (S$)*
Supply 24Vdc (for smart relays SR3B●●●BD)					
6	4		2	**SR3XT61BD**	*97.40*
10	6		4	**SR3XT101BD**	*121.00*
14	8		6	**SR3XT141BD**	*132.20*
Supply 24Vac (for smart relays SR3B●●●B)					
6	4		2	**SR3XT61B**	*107.00*
10	6		4	**SR3XT101B**	*123.00*
14	8		6	**SR3XT141B**	*135.30*
Supply 100...240Vac (for smart relays SR3B●●●FU)					
6	4		2	**SR3XT61FU**	*97.40*
10	6		4	**SR3XT101FU**	*121.00*
14	8		6	**SR3XT141FU**	*132.20*

Communication module *(2)*

For use on	Supply voltage	Reference	Price (S$)
Modbus network	24V dc	**SR3MBU01BD**	*171.20*

Modular "Discovery" packs

Number	Pack contents	Reference	Price (S$)
Supply 24Vdc			
10	A **SR3B101BD** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR3PACKBD**	*349.40*
26	A **SR3B261BD** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR3PACK2BD**	*527.70*
Supply 100...240Vac			
10	A **SR3B101FU** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR3PACKFU**	*349.40*
26	A **SR3B261FU** modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	**SR3PACK2FU**	*527.70*

(1) Including 8 outputs at maximum current of 8 A and 2 outputs at maximum current of 5 A.

(2) Power supply to the I/O extension and communication modules is via the modular smart relays.

***Note:** The smart relay and its associated extensions must have an identical voltage.*

Smart relays

Zelio Soft 2 software and programming tools
Communication interface for SR2/SR3

unit price (excl. GST in Singapore Dollars)

Zelio Soft 2 software for PC

SR2 SFT01

Description	Reference	Price (S$)
"Zelio Soft 2" for PC multi-language programming software supplied on CD-Rom *(1),* compatible with Window 95, 98, NT, 2000, XP and ME	**SR2SFT01**	*54.40*

Connection accessories

		Reference	Price (S$)
Connecting cable	Connection between the PC (SUB-D, 9-way connector) and the Smart relay, length: 3m	**SR2CBL01**	*119.90*
	Connection between the PC (USB connector) and the Smart relay. PC compatible with Windows 2000 and XP length: 3m	**SR2USB01**	*167.10*
Interface	For additional of USB port (for use with cable SR2CBL01) length: 1.8m	**SR2CBL06**	*249.00*

Memory cartidges

SR2 MEM01

Description		Reference	Price (S$)
EEPROM memory cartidges	For use with firmware (software embedded in the smart relay) version ≤ 2.4	**SR2MEM01**	*60.50*
	For use with firmware (software embedded in the smart relay) version ≥ 3.0	**SR2MEM02**	*35.90*

Modem communication interface

SR2 COM01

Description	For use with	Nominal voltage	Reference	Price (S$)
Modem communicaation interface (including cable SR2 CBL07)	SR● B●●●● SR2 E●●●●	12...24Vdc	**SR2COM01** *(1)*	*301.30*
Communication interface	For direct link of SR2/SR3 to XBTN401/XBTR411/XBTR511 only. Compatiable with Zelio Soft V1.3 and above only		**SR2CBL08**	*74.00*

(1) Can only be used with "Zelio Soft 2" software version ≥ 3.1.

Life Is On Schneider Electric

Power supplies

Modular, Optimum, Universal
Phaseo ABL7, ABL8

unit price (excl. GST in Singapore Dollars)

Regulated switch mode with automatic reset: Modular range

ABL8MEM05040/12020/24012

ABL8MEM24003/24006

ABL7RM24025

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or 2-phase (L1-L2) connection						
100…240 V ac	5 V dc	20 W	4 A	Automatic	**ABL8MEM05040**	*155.80*
-15%, + 10%	12 V dc	25 W	2 A	Automatic	**ABL8MEM12020**	*155.80*
50/60 Hz	24 V dc	7 W	0.3 A	Automatic	**ABL8MEM24003**	*94.30*
		15 W	0.6 A	Automatic	**ABL8MEM24006**	*105.60*
		30 W	1.2 A	Automatic	**ABL8MEM24012**	*126.10*
		60 W	2.5 A	Automatic	**ABL7RM24025**	*222.40*

Regulated switch mode: Optimums range

ABL8REM24030

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or phase-to-phase (L1-L2) connection						
100…240 V ac	24 V dc	70 W	3 A	Automatic	**ABL8REM24030**	*135.30*
-15%, + 10%						
50/60 Hz		120 W	5 A	Automatic	**ABL8REM24050**	*157.80*

Regulated switch mode with automatic or manual reset: Universal range

ABL8RPS24050

ABL8RPM24200

ABL8WPS24200

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or phase-to-phase (L1-L2) connection						
100…120 V	24...28.8 V	70 W	3 A	Automatic	**ABL8RPS24030**	*222.40*
200…500 V ac	dc	120 W	5 A	Automatic	**ABL8RPS24050**	*279.80*
-15%, + 10%		240 W	10 A	Automatic	**ABL8RPS24100**	*327.90*
50/60 Hz						
100…120 V	24...28.8 V	480 W	20 A	Automatic	**ABL8RPM24200**	*566.70*
200…240 V ac	dc					
-15%, + 10%						
50/60 Hz						
3-phase connection (L1-L2-L3)						
380…500 V ac	24...28.8 V	480 W	20 A	Automatic	**ABL8WPS24200**	*492.90*
± 10%	dc	960 W	40 A	Automatic	**ABL8WPS24400**	*884.30*
50/60 Hz						

Power supplies

Modular, Optimum, Universal
Phaseo ABL7, ABL8

unit price (excl. GST in Singapore Dollars)

Function modules for continuity of service

ABL8BUF24400

ABL8BBU24200

ABL8RED24400

Function	Use	Description	Reference	Price(S$)
Continuity after a power outage	Holding time 100ms at 40A and 2s at 1A	Buffer module	**ABL8BUF24400**	*396.80*
	Holding time 9 min at 40A...2hrs at 1A(depending on use with a battery check module-battery unit and load) *(1)*	Battery back-up module 20A output current	**ABL8BBU24200**	*456.00*
		Battery back-up module 40Aoutputcurrent	**ABL8BBU24400**	*728.30*
	Battery module (2)	3.2Ah	**ABL8BPK24A03**	*218.30*
		7Ah	**ABL8BPK24A07**	*236.70*
		12Ah	**ABL8BPK24A12**	*346.80*
Continuity after amal function	Paralleling and redundancy of the power supply to ensure uninterrupted operation of the application excluding AC line failures and application overloads	Redundancy module	**ABL8RED24400**	*213.20*
Discriminating downstream protection	Electronic protection(1...10A overload & short-circuit) with 4 output terminals from a Universal range Phaseo power supply	Protection module with 2-pole breaking (4)(3)	**ABL8PRP24100**	*305.00*

Converters DC/AC (for use with Universal range of Phaseo power supplies)

Primary(5)		Secondary		Reference	Price(S$)
Input voltage	Universal range power supply module output current	Output voltage	Nominal current		
24Vdc	2.2A	5...6.5Vdc	6A	**ABL8DCC05060**	*183.60*
-9%,+24%	1.7A	7...15Vc	2A	**ABL8DCC12020**	*188.20*

Separate and replacement parts

Designation	Description	Composition	Reference	Price(S$)
Fuse assemblies	For ABL8PR●24100 discriminating Protection modules	4x3A, 4x7.5A and 4x 15A	**ABL8FUS01**	*15.00*
	For ABL8BKP24A●● Battery	4x20A and 6x30A (2)	**ABL8FUS02**	*15.00*
Cables	Connection cable between ABL8BBU and PC for updating the software	RS2323m	**SR2CBL01**	*119.90*
		USB3m	**SR2USB01**	*167.10*
EEPROM memory	Backup and duplication of ABL8BBU parameters		**SR2MEM02**	*35.90*

(1)For table of compatibility of battery check module-battery unit with holding time depending on the load, see catalogue.

(2)Supplied with 20 or 30A fuse depending on the model.

(3)Supplied with four 15A fuses.

(4) Local reset via pushbutton or automatic reset one limination of the fault and diagnostic relay.

(5) Voltage from a 24V dc Universal range Phaseo power supply.

Life Is On Schneider Electric

Power supplies
Dedicated
Phaseo ABL1

unit price (excl. GST in Singapore Dollars)

ABL1REM single-phase regulated switch mode power supplies

ABL1REM24025

Mains input voltage 47…63 Hz	Output voltage	Rated power	Rated current	Automatic protection reset	Complies with standard EN 61000-3-2	Reference	Price (S$)
V	**V d.c.**	**W**	**A**				
AC 100…240 *(1)* Single phase wide range	12	60	5	auto	no	**ABL1REM12050**	*88.20*
	24	60	2.5	auto	no	**ABL1REM24025**	*83.00*
		100	4.2	auto	no	**ABL1REM24042**	*119.90*
AC 100…120/ 200…240 *(2)* Single phase	24	150	6.2	auto/man	no	**ABL1REM24062**	*127.10*
		240	10	auto/man	no	**ABL1REM24100**	*206.00*

ABL1RPM single-phase regulated switch mode power supplies

ABL1R•M24042

ABL1R•M24062

ABL1R•M24100

Mains input voltage 47…63 Hz	Output voltage	Rated power	Rated current	Automatic protection reset	Complies with standard EN 61000-3-2	Reference	Price (S$)
V	**V d.c.**	**W**	**A**				
AC 100…240 *(1)* Single phase wide range	12	100	8.3	auto	yes	**ABL1RPM12083**	*171.00*
	24	100	4.2	auto	yes	**ABL1RPM24042**	*182.40*
AC 100…120/ 200…240 *(2)* Single phase	24	150	6.2	auto	yes	**ABL1RPM24062**	*188.60*
		240	10	auto	yes	**ABL1RPM24100**	*226.50*

(1) Compatible input voltage 120…370 Vdc not indicated on the product.

(2) Compatible input voltage 180…370 Vdc not indicated on the product.

Detection

Photo-electric sensors

OsiSense XU

Design 18, plastic & metal 4-1
Miniature design 4-4
Compact design 4-6
OsiSense XU, accessories 4-10

Inductive proximity sensors

OsiSense XS

General purpose, cylindrical flush mountable 4-12
General purpose, flat format flush and non flush mountable 4-17
Plastic, cylindrical, non flush mountable 4-20
Metal, cylindrical, flush and non flush mountable 4-22
Miniature, cylindrical flush and not flush mountable 4-24

OsiSense XS, application

Cylindrical, flush mountable and non flush mountable 4-25

OsiSense XS, accessories 4-26

Limit switches

OsiSense XC, standard

Miniature design, metal 4-27 to 28
Miniature design, metal, variable composition 4-29 to 30
Compact design, metal & plastic 4-32 to 36
Compact design, metal & plastic, variable composition 4-37 to 39
Compact design, metal & plastic, with reset 4-40 to 42
Classic format 4-44
Industrial format EN 50041 4-45

OsiSense XC, basic

Miniature design, plastic 4-31
Compact design, plastic 4-43

OsiSense XC, special 4-46

Sensors for pressure control

OsiSense XM, electromechanical pressure switches

Fixed differential, for detection of a single threshold 4-47
Adjustable differential, for regulation between 2 thresholds 4-48 to 49
For control circuits 4-50
Adjustable differential, for regulation between 2 thresholds, IP54 4-51

Machine cabling accessories

OsiSense XZ

Pre-wired connectors, Ø8 mm and M8 4-52
Pre-wired connectors, M12 4-53
Pre-wired connectors, 1/2” 20UNF and 7/8” 16UN 4-54

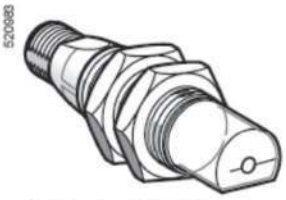
Photo-electric sensors

OsiSense XU, single mode function
Design 18, plastic
Three-wire DC, solid-state output

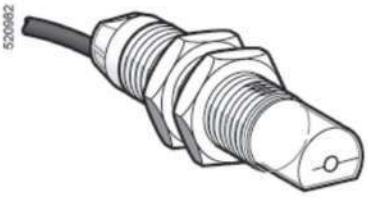
unit price (excel. GST in Singapore Dollars)

XUB ●A●●NM12

XUB ●A●●NL2



XUB ●A●●WM12



XUB ●A●●WL2

XUZ C50

Connector

Sensing distance (Sn) m	Function	Output	Line of sight	Reference	Price (S$)
Diffuse system					
0.1 m	NO (Object detection)	PNP	Along case axis	**XUB4APANM12**	*80.60*
			90° to case axis	**XUB4APAWM12**	*92.80*
		NPN	Along case axis	**XUB4ANANM12**	*80.60*
			90° to case axis	**XUB4ANAWM12**	*92.80*
	NC	PNP	Along case axis	**XUB4APBNM12**	*80.60*
			90° to case axis	**XUB4APBWM12**	*92.80*
		NPN	Along case axis	**XUB4ANBNM12**	*80.60*
			90° to case axis	**XUB4ANBWM12**	*92.80*
Diffuse system with adjustable sensitivity					
0.6 m	NO (Object detection)	PNP	Along case axis	**XUB5APANM12**	*84.10*
			90° to case axis	**XUB5APAWM12**	*95.90*
		NPN	Along case axis	**XUB5ANANM12**	*84.10*
			90° to case axis	**XUB5ANAWM12**	*95.90*
	NC	PNP	Along case axis	**XUB5APBNM12**	*84.10*
			90° to case axis	**XUB5APBWM12**	*95.90*
		NPN	Along case axis	**XUB5ANBNM12**	*84.10*
			90° to case axis	**XUB5ANBWM12**	*95.90*
Polarised Reflex system *(1)*					
2 m	NO (Object detection)	PNP	Along case axis	**XUB9APANM12**	*90.80*
			90° to case axis	**XUB9APAWM12**	*109.10*
		NPN	Along case axis	**XUB9ANANM12**	*90.80*
			90° to case axis	**XUB9ANAWM12**	*109.10*
	NC	PNP	Along case axis	**XUB9APBNM12**	*90.80*
			90° to case axis	**XUB9APBWM12**	*109.10*
		NPN	Along case axis	**XUB9ANBNM12**	*90.80*
			90° to case axis	**XUB9ANBWM12**	*109.10*
Reflex system *(1)*					
4 m	NO (Object detection)	PNP	Along case axis	**XUB1APANM12**	*77.00*
			90° to case axis	**XUB1APAWM12**	*96.90*
		NPN	Along case axis	**XUB1ANANM12**	*79.60*
			90° to case axis	**XUB1ANAWM12**	*96.90*
	NC	PNP	Along case axis	**XUB1APBNM12**	*79.60*
			90° to case axis	**XUB1APBWM12**	*96.90*
		NPN	Along case axis	**XUB1ANBNM12**	*79.60*
			90° to case axis	**XUB1ANBWM12**	*96.90*
Reflector (50 x 50mm)				**XUZC50**	*23.00*
(1) Need to order reflector as complete system, but not necessary for replacement sensor.					
Thru-beam system *(2)*					
15 transmitter	-	-	Along case axis	**XUB2AKSNM12T**	*47.90*
			90° to case axis	**XUB2AKSWM12T**	*61.20*
15 receiver	NO (Object detection)	PNP	Along case axis	**XUB2APANM12R**	*85.70*
			90° to case axis	**XUB2APAWM12R**	*92.80*
		NPN	Along case axis	**XUB2ANANM12R**	*85.70*
			90° to case axis	**XUB2ANAWM12R**	*92.80*
	NC	PNP	Along case axis	**XUB2APBNM12R**	*85.70*
			90° to case axis	**XUB2APBWM12R**	*92.80*
		NPN	Along case axis	**XUB2ANBNM12R**	*85.70*

(2) It is necessary to order transmitter and receiver as complete system

Fixing accessories

See page 5-3

Pre-cable

For a pre-cable sensor, **replace M12 with L2** for a 2m cable, **same price as M12,**
or replace **M12** by **L5** for a 5m cable with **an added price of $11.00**
Example: XUB1APANM12 becomes XUB1APANL2 for a 2m cable and XUB1APANL5 for a 5m cable.

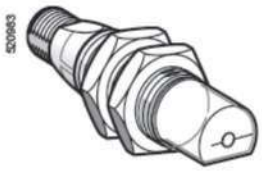
Photo-electric sensors

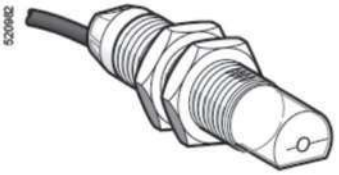
OsiSense XU, single mode function
Design 18, metal
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

XUB •B••NM12

XUB •B••NL2


XUB •B••WM12


XUB •B••WL2

XUZ C50

Connector

Sensing distance (Sn) m	Function	Output	Line of sight	Reference	Price (S$)
Diffuse system					
0.1	NO (Object detection)	PNP	Along case axis	**XUB4BPANM12**	*100.00*
			90° to case axis	**XUB4BPAWM12**	*116.30*
		NPN	Along case axis	**XUB4BNANM12**	*100.00*
			90° to case axis	**XUB4BNAWM12**	*116.30*
	NC	PNP	Along case axis	**XUB4BPBNM12**	*100.00*
			90° to case axis	**XUB4BPBWM12**	*116.30*
		NPN	Along case axis	**XUB4BNBNM12**	*100.00*
			90° to case axis	**XUB4BNBWM12**	*116.30*
Diffuse system with adjustable sensitivity					
0.6	NO (Object detection)	PNP	Along case axis	**XUB5BPANM12**	*106.60*
			90° to case axis	**XUB5BPAWM12**	*121.40*
		NPN	Along case axis	**XUB5BNANM12**	*106.60*
			90° to case axis	**XUB5BNAWM12**	*121.40*
	NC	PNP	Along case axis	**XUB5BPBNM12**	*106.60*
			90° to case axis	**XUB5BPBWM12**	*121.40*
		NPN	Along case axis	**XUB5BNBNM12**	*106.60*
			90° to case axis	**XUB5BNBWM12**	*121.40*
Polarised Reflex system *(1)*					
2	NO (Object detection)	PNP	Along case axis	**XUB9BPANM12**	*97.40*
			90° to case axis	**XUB9BPAWM12**	*116.30*
		NPN	Along case axis	**XUB9BNANM12**	*97.40*
			90° to case axis	**XUB9BNAWM12**	*116.30*
	NC	PNP	Along case axis	**XUB9BPBNM12**	*97.40*
			90° to case axis	**XUB9BPBWM12**	*116.30*
		NPN	Along case axis	**XUB9BNBNM12**	*97.40*
			90° to case axis	**XUB9BNBWM12**	*116.30*
Reflex system *(1)*					
4	NO (Object detection)	PNP	Along case axis	**XUB1BPANM12**	*84.00*
			90° to case axis	**XUB1BPAWM12**	*103.60*
		NPN	Along case axis	**XUB1BNANM12**	*86.70*
			90° to case axis	**XUB1BNAWM12**	*103.60*
	NC	PNP	Along case axis	**XUB1BPBNM12**	*86.70*
			90° to case axis	**XUB1BPBWM12**	*103.60*
		NPN	Along case axis	**XUB1BNBNM12**	*86.70*
			90° to case axis	**XUB1BNBWM12**	*103.60*
Reflector (50 x 50mm)				**XUZC50**	*23.00*
(1) Need to order reflector as complete system, but not necessary for replacement sensor.					
Thru-beam system *(2)*					
15 transmitter	-	-	Along case axis	**XUB2BKSNM12T**	*53.30*
			90° to case axis	**XUB2BKSWM12T**	*68.30*
15 receiver	NO (Object detection)	PNP	Along case axis	**XUB2BPANM12R**	*95.40*
			90° to case axis	**XUB2BPAWM12R**	*103.60*
		NPN	Along case axis	**XUB2BNANM12R**	*95.40*
			90° to case axis	**XUB2BNAWM12R**	*103.60*
	NC	PNP	Along case axis	**XUB2BPBNM12R**	*95.40*
			90° to case axis	**XUB2BPBWM12R**	*103.60*
		NPN	Along case axis	**XUB2BNBNM12R**	*95.40*
			90° to case axis	**XUB2BNBWM12R**	*103.60*
(2) It is necessary to order transmitter and receiver as complete system					

Fixing accessories

See page 5-3

Pre-cable

For a pre-cable sensor, **replace M12 by L2** for a 2m cable, **same price as M12,**
or replace **M12** by **L5** for a 5m cable with **an added price of $11.00**
Example: XUB4BPANM12 becomes XUB4BPANL2 for a 2m cable and XUB4BPANL5 for a 5m cable.

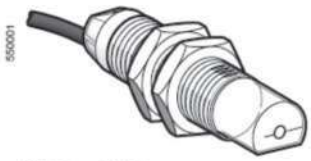
Life Is On Schneider Electric

Photo-electric sensors

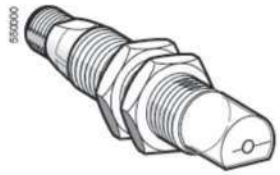
OsiSense XU multimode
Design 18, metal or plastic
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

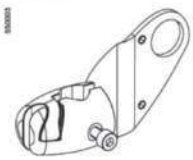
XUB 0●●●NL2


XUB 0●●●WL2

XUB 0●●●NM12


XUB 0●●●WM12

XUZ C50


XUZ B2003

XUZ A118

XUZ A218

XUZ 2001

XUZ 2003

Ø 18, Metal

Sensing distance (Sn) m	Function	Output	Line of sight	Reference	Price (S$)
Pre-cable *(1)*					
0…15 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP	Along case axis	**XUB0BPSNL2**	*145.60*
			90° to case axis	**XUB0BPSWL2**	*162.00*
		NPN	Along case axis	**XUB0BNSNL2**	*145.60*
			90° to case axis	**XUB0BNSWL2**	*162.00*
M12 connector					
0…15 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP	Along case axis	**XUB0BPSNM12**	*152.80*
			90° to case axis	**XUB0BPSWM12**	*162.00*
		NPN	Along case axis	**XUB0BNSNM12**	*152.80*
			90° to case axis	**XUB0BNSWM12**	*162.00*
Accessories					
Description	Type	Connection	Line of sight	Reference	Price (S$)
Transmitter for Thru-beam	-	Pre-cabled (2m) *(1)*	Along case axis	**XUB0BKSNL2T**	*76.00*
			90° to case axis	**XUB0BKSWL2T**	*102.00*
		M12 connector	Along case axis	**XUB0BKSNM12T**	*76.00*
			90° to case axis	**XUB0BKSWM12T**	*102.00*
Reflector 50 x 50 mm				**XUZC50**	*23.00*

Ø 18, Plastic

Sensing distance (Sn) m	Function	Output	Line of sight	Reference	Price (S$)
Pre-cable *(1)*					
0…15 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP	Along case axis	**XUB0APSNL2**	*134.30*
			90° to case axis	**XUB0APSWL2**	*148.90*
		NPN	Along case axis	**XUB0ANSNL2**	*134.30*
			90° to case axis	**XUB0ANSWL2**	*148.90*
M12 connector					
0…15 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP	Along case axis	**XUB0APSNM12**	*135.00*
			90° to case axis	**XUB0APSWM12**	*148.90*
		NPN	Along case axis	**XUB0ANSNM12**	*135.00*
			90° to case axis	**XUB0ANSWM12**	*148.90*
Accessories					
Description		Connection *(1)*	Line of sight	Reference	Price (S$)
Thru-beam transmitter		Pre-cabled (2m)	Along case axis	**XUB0AKSNL2T**	*74.00*
			90° to case axis	**XUB0AKSWL2T**	*97.90*
		M12 connector	Along case axis	**XUB0AKSNM12T**	*74.00*
			90° to case axis	**XUB0AKSWM12T**	*97.90*
Reflector 50 x 50 mm		-	-	**XUZC50**	*23.00*
Fixing accessories					
Description				Reference	Price (S$)
3D fixing kit for use on M12 rod for XUB or XUZC50				**XUZB2003**	*34.70*
M12 rod				**XUZ2001**	*10.30*
Support for M12 rod				**XUZ2003**	*10.30*
Metal bracket				**XUZA118**	*10.30*
Mounting bracket adjustable with ball-joint				**XUZA218**	*12.30*

(1) For an output with a 5 m long cable, replace ***L2*** *by* ***L5 with an added price of S$11.00***

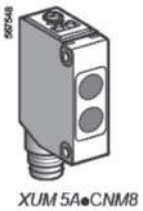
Example XUB0BPSNL2 becomes XUB0BPSNL5.

Photo-electric sensors

OsiSense XU, general purpose, single mode function
Miniature design, plastic
Three-wire DC, solid-state output, NO/NC configuration switch

Unit price (excl. GST) in Singapore Dollars

XUM 5A●CNL2


XUM 5A●CNM8

XUZ C50

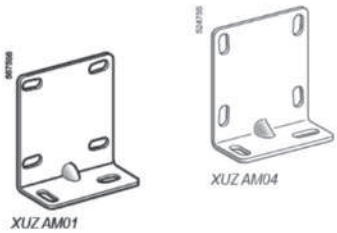
XUZ C08

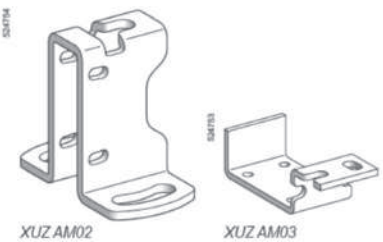
XUM 2AKCNL2T

XUM 2A●CNL2R

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Diffuse system with adjustable sensitivity					
1 m	NO/NC configuration switch	PNP	Pre-cabled (L = 2 m)	**XUM5APCNL2**	*88.00*
			M8 connector	**XUM5APCNM8**	*85.00*
		NPN	Pre-cabled (L = 2 m)	**XUM5ANCNL2**	*88.00*
			M8 connector	**XUM5ANCNM8**	*85.00*
Polarised reflex system with adjustable sensitivity					
5 m with reflector XUZ C50 **2 m** with reflector XUZ C08	NO/NC configuration switch	PNP	Pre-cabled (L = 2 m)	**XUM9APCNL2**	*80.00*
			M8 connector	**XUM9APCNM8**	*80.00*
	NO/NC configuration switch	NPN	Pre-cabled (L = 2 m)	**XUM9ANCNL2**	*80.00*
			M8 connector	**XUM9ANCNM8**	*83.60*
Reflectors					
Universal refl ector 50 x 50 mm		-	-	**XUZC50**	*23.00*
Lateral refl ector 8.6 x 29.5 mm		-	-	**XUZC08**	*44.90*
Thru-beam system (transmitter + receiver) **with adjustable sensitivity**					
15 m	NO/NC configuration switch	PNP	Pre-cabled (L = 2 m)	**XUM2APCNL2**	*120.00*
			M8 connector	**XUM2APCNM8**	*121.00*
		NPN	Pre-cabled (L = 2 m)	**XUM2ANCNL2**	*120.00*
			M8 connector	**XUM2ANCNM8**	*121.00*
Transmitter only					
15 m			Pre-cabled (L = 2 m)	**XUM2AKCNL2T**	*55.40*
			M8 connector	**XUM2AKCNM8T**	*55.40*
Receiver only					
15 m	NO/NC configuration switch	PNP	M8 connector	**XUM2APCNM8R**	*74.90*
		NPN	M8 connector	**XUM2ANCNM8R**	*74.90*

XUZMSV●● XUZ MSH●● XUZ MU01


XUZ AM01 XUZ AM04


XUZ AM02 XUZ AM03

Accessories for thru-beam system

Description	Dimensions mm	Sensing distance m	Reference	Price (S$)
Vertical diaphragm Sold in lots of 2	0.5 x 6.4	1.2	**XUZMSV05**	*11.20*
	1 x 6.4	3	**XUZMSV10**	*11.20*
	1.5 x 6.4	4	**XUZMSV15**	*11.20*
	2 x 6.4	5	**XUZMSV20**	*11.20*
Horizontal diaphragm Sold in lots of 2	0.5 x 6.4	1.2	**XUZMSH05**	*11.20*
	1 x 6.4	3	**XUZMSH10**	*11.20*
	1.5 x 6.4	4	**XUZMSH15**	*11.20*
	2 x 6.4	5	**XUZMSH20**	*11.20*
Anti-interference filter Sold in lots of 4	-	7	**XUZMU01**	*44.90*

Fixing accessories

Description	Reference	Price (S$)
Base mounting fi xing bracket	**XUZAM01**	*10.30*
Side mounting fi xing bracket	**XUZAM04**	*10.30*
Vertical fi xing bracket with protective cover *(1)*	**XUZAM02**	*13.40*
Horizontal fi xing bracket with protective cover *(1)*	**XUZAM03**	*11.20*

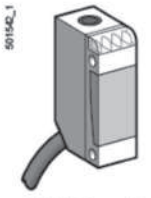
(1) For pre-cable version.

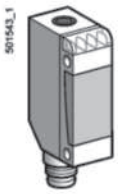
Life Is On Schneider Electric

Photo-electric sensors

OsiSense XU, general purpose
Multimode function, Miniature design
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

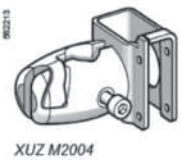

XUM 0A●●●L2


XUM 0A●●●M8

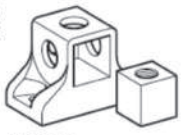
XUZ C50

XUZ 2001

XUZ M2003


XUZ M2004

XUZ A50


XUZ 2003

Miniature design, d.c. supply

Sensing distance (Sn) m	Function	Output	Connection (1)	Reference	Price (S$)
0 to 10 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP	Pre-cabled (2m)	**XUM0APSAL2**	*149.00*
			M8 connector	**XUM0APSAM8**	*160.00*
		NPN	Pre-cabled (2m)	**XUM0ANSAL2**	*149.00*
			M8 connector	**XUM0ANSAM8**	*160.00*

Accessories

Description	Connection (1)	Reference	Price (S$)
Transmitter for Thru-beam	Pre-cabled (2m)	**XUM0AKSAL2T**	*82.60*
	M8 connector	**XUM0AKSAM8T**	*82.60*
Reflector 50 x 50 mm		**XUZC50**	*23.00*

Fixing accessories

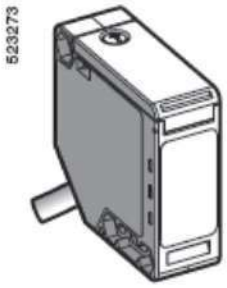
Description	Reference	Price (S$)
3D fixing kit for use on M12 rod for XUM or XUZC50	**XUZM2003**	*34.90*
3D fixing kit for use on M12 rod and with protective cover for XUM	**XUZM2004**	*36.90*
M12 rod	**XUZ2001**	*10.30*
Support for M12 rod	**XUZ2003**	*10.30*
Mounting bracket	**XUZA50**	*8.20*

*(1) For an output with a 5m long cable, replace **L2** by **L5 with an added price of S$11.00***
Example XUM0APSAL2 becomes XUM0APSAL5.

Photo-electric sensors

OsiSense XU, general purpose, single mode function
Compact design, 50 x 50
Five-wire AC or DC, 1 CO relay output.
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)



XUK ●A●●●L2

XUK ●A●●●M12

Sensing distance (Sn) m	Function	Output	Connection (1)	Reference	Price (S$)
Diffuse system with adjustable sensitivity					
DC					
1	NO (Object detection)	PNP	Pre-cabled (2m)	**XUK5APANL2**	*145.60*
			M12	**XUK5APANM12**	*145.60*
		NPN	Pre-cabled (2m)	**XUK5ANANL2**	*145.60*
			M12	**XUK5ANANM12**	*145.60*
	NC	PNP	Pre-cabled (2m)	**XUK5APBNL2**	*145.60*
			M12	**XUK5APBNM12**	*145.60*
		NPN	Pre-cabled (2m)	**XUK5ANBNL2**	*145.60*
			M12	**XUK5ANBNM12**	*145.60*
AC or DC					
1	NO + NC	relay	Pre-cabled (2m)	**XUK5ARCNL2**	*157.00*
Polarised Reflex system *(2)*					
DC					
5	NO (Object detection)	PNP	Pre-cabled (2m)	**XUK9APANL2**	*142.50*
			M12	**XUK9APANM12**	*142.50*
		NPN	Pre-cabled (2m)	**XUK9ANANL2**	*142.50*
			M12	**XUK9ANANM12**	*142.50*
	NC	PNP	Pre-cabled (2m)	**XUK9APBNL2**	*142.50*
			M12	**XUK9APBNM12**	*142.50*
		NPN	Pre-cabled (2m)	**XUK9ANBNL2**	*142.50*
			M12	**XUK9ANBNM12**	*142.50*
AC or DC					
4	NO + NC	relay	Pre-cabled (2m)	**XUK9ARCNL2**	*155.00*
Reflex system *(2)*					
DC					
9	NO (Object detection)	PNP	Pre-cabled (2m)	**XUK1APANL2**	*118.00*
			M12	**XUK1APANM12**	*118.00*
		NPN	Pre-cabled (2m)	**XUK1ANANL2**	*118.00*
			M12	**XUK1ANANM12**	*118.00*
	NC	PNP	Pre-cabled (2m)	**XUK1APBNL2**	*118.00*
			M12	**XUK1APBNM12**	*118.00*
		NPN	Pre-cabled (2m)	**XUK1ANBNL2**	*118.00*
			M12	**XUK1ANBNM12**	*118.00*
AC or DC					
7	NO + NC	relay	Pre-cabled (2m)	**XUK1ARCNL2**	*127.00*
Reflector (50 x 50mm)				**XUZC50**	*23.00*
(2) Need to order reflector as complete system, but not necessary for replacement sensor.					
Thru-beam system *(3)*					
DC					
30 Transmitter	-	-	Pre-cabled (2m)	**XUK2AKSNL2T**	*71.40*
			M12	**XUK2AKSNM12T**	*71.40*
30 Receiver	NO (Object detection)	PNP	Pre-cabled (2m)	**XUK2APANL2R**	*106.10*
			M12	**XUK2APANM12R**	*106.10*
		NPN	Pre-cabled (2m)	**XUK2ANANL2R**	*106.10*
			M12	**XUK2ANANM12R**	*106.10*
	NC	PNP	Pre-cabled (2m)	**XUK2APBNL2R**	*106.10*
			M12	**XUK2APBNM12R**	*106.10*
		NPN	Pre-cabled (2m)	**XUK2ANBNL2R**	*106.10*
			M12	**XUK2ANBNM12R**	*106.10*
AC or DC					
20 Transmitter			Pre-cabled (2m)	**XUK2ARCNL2T**	*77.00*
20 Receiver	NO + NC	relay	Pre-cabled (2m)	**XUK2ARCNL2R**	*115.00*
(3) It is necessary to order transmitter and receiver as complete system					
Fixing accessories					
See page 5-7					

(1) For a 5m long cable, replace L2 to L5; for a 10m long cable, replace L2 by L10.
Example: ***XUK1APANL2*** *becomes* ***XUK1APANL5 or XUK1APANL10***
Replace L2 by L5 with an added ***price of S$10.80*** *and L2 to L10 with an added* ***price of S$22.70***

Life Is On Schneider Electric

Photo-electric sensors

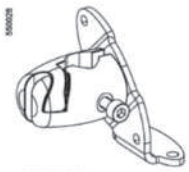
OsiSense XU, general purpose, multimode function
Compact design 50 x 50
5-wire AC or DC, 1 CO relay output

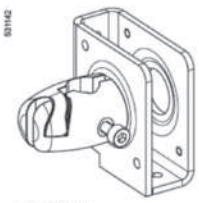
unit price (excel. GST in Singapore Dollars)

XUK 0AKSAL2

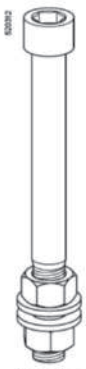
XUK 0AKSAM12

XUZ C50


XUZ K2003


XUZ K2004

XUZ A51


XUZ 2001

XUZ 2003

Compact design 50 x 50

DC

Sensing distance (Sn) m	Function	Output	Connection *(1)*	Reference	Price (S$)
0…30 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP/NPN	Pre-cabled *(2m)*	**XUK0AKSAL2**	*166.00*
			M12 connector	**XUK0AKSAM12**	*166.00*

Accessories

Description			Connection *(1)*	Reference	Price (S$)
Transmitter for Thru-beam	-		Pre-cabled *(2m)*	**XUK0AKSAL2T**	*81.00*
			M12 connector	**XUK0AKSAM12T**	*81.00*
Reflector (50 x 50mm)				**XUZC50**	*23.00*

AC or DC

Sensing distance (Sn) m	Function	Output	Connection *(1)*	Reference	Price (S$)
0…30 depending on whether accessories are used	NO or NC, using **Osi**concept programming	Time delayed relay	Pre-cabled *(2m)*	**XUK0ARCTL2**	*175.00*

Accessories

Description			Connection	Reference	Price (S$)
Transmitter for Thru-beam			Pre-cabled *(2m)*	**XUK0ARCTL2T**	*87.00*
Reflector (50 x 50mm)				**XUZC50**	*23.00*

Fixing accessories

Description				Reference	Price (S$)
3D fixing kit for use on M12 rod for XUK or XUZC50			-	**XUZK2003**	*34.90*
3D fixing kit for use on M12 rod, and with protective cover for XUK			-	**XUZK2004**	*36.90*
M12 rod				**XUZ2001**	*10.30*
Support for M12 rod				**XUZ2003**	*10.30*
Mounting bracket				**XUZA51**	*10.30*

*(1) For a 10 m long cable, replace **L2** by **L10 with an added price of S$22.70***

Example: XUK0AKSAL2 becomes XUK0AKSAL10.

Photo-electric sensors

OsiSense XU, general purpose, single mode function
Compact design
Five-wire AC or DC, 1 CO relay output
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

XUX •A•••T16

XUX •A•••M12

XUZ C50

Sensing distance (Sn) m	Function	Output	Connection	Reference	Price (S$)
Diffuse system					
DC					
2.1	NO (Object detection)	PNP	Screw terminals *(1)*	**XUX5APANT16**	*199.90*
			M12 connector	**XUX5APANM12**	*199.90*
		NPN	Screw terminals *(1)*	**XUX5ANANT16**	*199.90*
			M12 connector	**XUX5ANANM12**	*199.90*
	NC	PNP	Screw terminals *(1)*	**XUX5APBNT16**	*199.90*
			M12 connector	**XUX5APBNM12**	*199.90*
		NPN	Screw terminals *(1)*	**XUX5ANBNT16**	*199.90*
			M12 connector	**XUX5ANBNM12**	*199.90*
AC or DC					
2.1	NO + NC	relay	Screw terminals *(1)*	**XUX5ARCNT16**	*219.30*
Polarised Reflex system *(2)*					
DC					
	NO (Object detection)	PNP	Screw terminals *(1)*	**XUX9APANT16**	*192.80*
			M12 connector	**XUX9APANM12**	*192.80*
		NPN	Screw terminals *(1)*	**XUX9ANANT16**	*192.80*
			M12 connector	**XUX9ANANM12**	*192.80*
	NC	PNP	Screw terminals *(1)*	**XUX9APBNT16**	*192.80*
			M12 connector	**XUX9APBNM12**	*192.80*
		NPN	Screw terminals *(1)*	**XUX9ANBNT16**	*192.80*
			M12 connector	**XUX9ANBNM12**	*192.80*
AC or DC					
11	NO + NC	relay	Screw terminals *(1)*	**XUX9ARCNT16**	*215.20*
Reflex system *(2)*					
DC					
14	NO (Object detection)	PNP	Screw terminals *(1)*	**XUX1APANT16**	*169.40*
			M12 connector	**XUX1APANM12**	*169.40*
		NPN	Screw terminals *(1)*	**XUX1ANANT16**	*169.40*
			M12 connector	**XUX1ANANM12**	*169.40*
	NC	PNP	Screw terminals *(1)*	**XUX1APBNT16**	*169.40*
			M12 connector	**XUX1APBNM12**	*169.40*
		NPN	Screw terminals *(1)*	**XUX1ANBNT16**	*169.40*
			M12 connector	**XUX1ANBNM12**	*169.40*
AC or DC					
14	NO + NC	relay	Screw terminals *(1)*	**XUX1ARCNT16**	*189.80*
Reflector (50 x 50mm)				**XUZC50**	*23.00*
(2) Need to order reflector as complete system, but not necessary for replacement sensor.					
Thru-beam system *(3)*					
DC					
40 Transmitter	-	-	Screw terminals *(1)*	**XUX0AKSAT16T**	*120.40*
			M12 connector	**XUX0AKSAM12T**	*120.40*
40 Receiver	NO (Object detection)	PNP	Screw terminals *(1)*	**XUX2APANT16R**	*145.90*
			M12 connector	**XUX2APANM12R**	*145.90*
		NPN	Screw terminals *(1)*	**XUX2ANANT16R**	*145.90*
			M12 connector	**XUX2ANANM12R**	*145.90*
	NC	PNP	Screw terminals *(1)*	**XUX2APBNT16R**	*145.90*
			M12 connector	**XUX2APBNM12R**	*145.90*
		NPN	Screw terminals *(1)*	**XUX2ANBNT16R**	*145.90*
			M12 connector	**XUX2ANBNM12R**	*145.90*
AC or DC					
40 Transmitter			Screw terminals *(1)*	**XUX0ARCTT16T**	*132.60*
40 Receiver	NO + NC	relay	Screw terminals *(1)*	**XUX2ARCNT16R**	*162.00*
(3) It is necessary to order transmitter and receiver as complete system					
Fixing accessories					
See page 5-9					

(1) ISO 16 cable gland, capacity Ø7 to 10mm cable

Life Is On Schneider Electric

Photo-electric sensors

OsiSense XU, general purpose, multimode function
Compact design
Five-wire AC or DC, 1 CO relay output
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

XUX 0ARCTT16

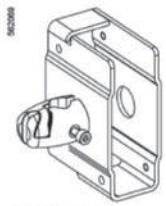
XUX 0AKSAM12

Compact design

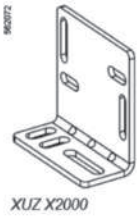
Sensing distance (Sn) m	Function	Output	Connection	Reference	Price (S$)
DC					
0…40 depending on whether accessories are used	NO or NC, using **Osi**concept programming	PNP/NPN	Screw terminals *(1)*	**XUX0AKSAT16**	*289.10*
			M12	**XUX0AKSAM12**	*289.10*
Accessories					
Description			Connection	Reference	Price (S$)
Transmitter for Thru-beam function			Screw terminals *(1)*	**XUX0AKSAT16T**	*120.40*
			M12	**XUX0AKSAM12T**	*120.40*
Reflector (50 x 50mm)			-	**XUZC50**	*23.00*

XUZ X2003

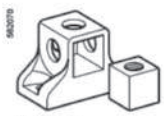
XUZ C50


XUZ X2004

XUZ 2001


XUZ X2000

XUZ X2001


XUZ 2003

Sensing distance (Sn) m	Function	Output	Connection	Reference	Price (S$)
AC or DC					
0…40 depending on whether accessories are used	NO or NC, using **Osi**concept programming	Time delayed relay	Screw terminals *(1)*	**XUX0ARCTT16**	*319.30*
Accessories					
Description			Connection	Reference	Price (S$)
Transmitter for Thru-beam			Screw terminals *(1)*	**XUX0ARCTT16T**	*132.60*
Reflector (50 x 50mm)			-	**XUZC50**	*23.00*

Fixing accessories

Description		Reference	Price (S$)
3D fixing kit	for use on M12 rod for XUX or XUZC50	**XUZX2003**	*34.90*
	for use on M12 rod and with protective cover for XUX	**XUZX2004**	*44.90*
M12 rod		**XUZ2001**	*10.30*
Support for M12 rod		**XUZX2003**	*10.30*
Mounting bracket		**XUZX2000**	*6.20*
Adaptor	for ISO 16 - 1/2" NPT	**XUZX2001**	*6.20*
	for ISO 16 - ISO 20	**XUZX2002**	*6.20*

(1) ISO 16 cable gland, capacity Ø7 to 10mm cable

4

Photo-electric sensors

OsiSense XU

Accessories

unit price (excel. GST in Singapore Dollars)

XUZ B2003

XUZ M2003

XUZ K2003

XUZ X2003

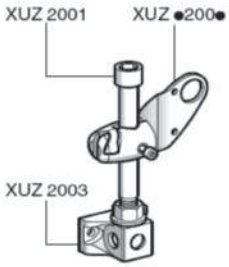
XUZ M2004

XUZ K2004

XUZ X2004

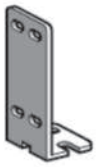
XUZ 2003

XUZ 2001



3D fixing kit example

XUZ A118


XUZ A50

XUZ A51

XUZ X2000

XUZ A218

XUZ A318

XSA Z1••

XSZ B1••

XUZ B2005

3D fixing kit *(1)*

Description	Use for sensor type	Reference	Price (S$)
Ball-joint brackets for mounting on M12 rod	XUB or XUZC50	**XUZB2003**	*34.70*
	XUM or XUZC50	**XUZM2003**	*34.90*
	XUK or XUZC50	**XUZK2003**	*34.90*
	XUX or XUZC50	**XUZX2003**	*34.90*
Ball-joint brackets with protective cover for mounting on M12 rod	XUM	**XUZM2004**	*36.90*
	XUK	**XUZK2004**	*36.90*
	XUX	**XUZX2004**	*44.90*
Support dor M12 rod		**XUZ2003**	*10.30*
M12 rod (adjustment possible over complete height)		**XUZ2001**	*10.30*

(1) To obtain a 3D fixing kit, order:
- the support for rod ***XUZ2003***
- the M12 rod ***XUZ2001***
-Ball-joint mounted fixing bracket ***XUZ 200***

Fixing accessories

Description	Use for sensor type		Reference	Price (S$)
Metal mounting brackets	XUB		**XUZA118**	*10.30*
	XUM		**XUZA50**	*8.20*
	XUK		**XUZA51**	*10.30*
	XUX		**XUZX2000**	*6.20*
Plastic mounting bracket with adjustable ball-joint	XUI (Ø 18 mm)		**XUZA218**	*12.30*
Precision mounting bracket with micormetric adjustment	XU2 (Ø 18 mm) with laser transmission		**XUZA318**	*40.80*
Plastic fixing clamps with locking screw	XUA (Ø 18 mm)		**XSAZ108**	*9.20*
			XSZB108	*8.20*
	XUI (Ø 18 mm)	With lug	**XSAZ118**	*11.20*
		With indexing pin	**XSZB118**	*7.20*
		With 24.1 mm ctrs	**XUZB2005**	*12.30*
	Glass fibre optics XUFS0810		**XSAZ145**	*9.20*
	Fibre optics XUFS2510		**XSAZ155**	*9.20*
	Fibre optics XUFS0210		**XSAZ185**	*9.20*
Set of 2 metal nuts	XUI (Ø 18 mm)		**XSZE118**	*9.20*
Set of 2 stainless steel nuts	XUI (Ø 18 mm)		**XSZE318**	*17.30*

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Photo-electric sensors

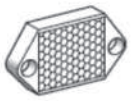
OsiSense XU

Accessories

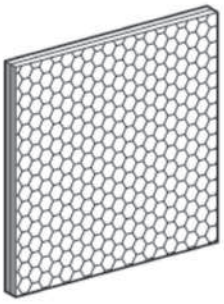
unit price (excel. GST in Singapore Dollars)

XUZ C●●

XUZ C50



XUZ C24



XUZ C100

XUJ Z01

XUZ X2001

XUR Z01

XUR Z02

Reflectors

Description	Dimensions (mm)	Reference	Price (S$)
Standard reflectors	Ø 16	**XUZC16**	*9.20*
	Ø 21	**XUZC21**	*12.30*
	Ø 31	**XUZC31**	*15.30*
	Ø 39	**XUZC39**	*17.30*
	Ø 80	**XUZC80**	*28.00*
Universal reflector (without blind zone)	50 x 50	**XUZC50**	*23.00*
Reflector for near sensing distances	24 x 21	**XUZC24**	*19.40*
Reflector for long sensing distances	100 x 100	**XUZC100**	*63.30*

Protection covers

Description	Use for	Reference	Price (S$)
Potentionmeter Protective cover	XUJ sensors	**XUJZ01**	*6.20*

Cabling accessories

Description		Reference	Price (S$)
Adaptor	ISO 16 - 1/2" NPT	**XUZX2001**	*6.20*
	ISO 16 - ISO 20	**XUZX2002**	*6.20*

Lenses

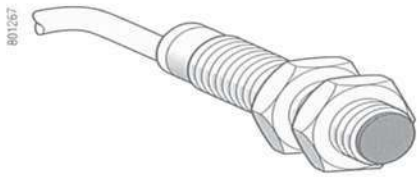
Description	Use for	Reference	Price (S$)
Lens for spot enlargement	XUR sensors	**XURZ01**	*53.00*
Lens accessory for spot reduction	XUR sensors	**XURZ02**	*110.20*

Inductive proximity sensors

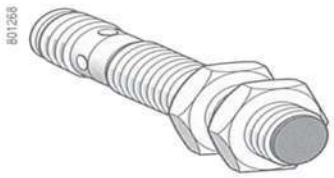
OsiSense XS, general purpose
Cylindrical, standard range, flush mountable
2-wire DC, 3-wire DC with solid-state output

unit price (excel. GST in Singapore Dollars)

Sensors, 3-wire d.c. 12-24 V, short case model



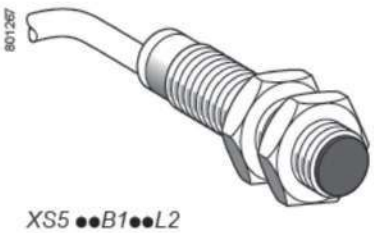
XS5 ●●B1●●L2



XS5 ●●B1●●M12

Sensing distance (Sn) mm	Function	Output	Connection (1)	Reference	Price (S$)
Ø8, threaded M8 x 1					
1.5	NO	PNP	Pre-cable (L=2m)	**XS508B1PAL2**	*78.00*
			M8 connector	**XS508B1PAM8**	*78.00*
		NPN	Pre-cable (L=2m)	**XS508B1NAL2**	*78.00*
			M8 connector	**XS508B1NAM8**	*78.00*
	NC	PNP	Pre-cable (L=2m)	**XS508B1PBL2**	*83.00*
			M8 connector	**XS508B1PBM8**	*83.00*
		NPN	Pre-cable (L=2m)	**XS508B1NBL2**	*83.00*
			M8 connector	**XS508B1NBM8**	*83.00*
Ø12, threaded M12 x 1					
2	NO	PNP	Pre-cable (L=2m)	**XS512B1PAL2**	*66.00*
			M12 connector	**XS512B1PAM12**	*66.00*
		NPN	Pre-cable (L=2m)	**XS512B1NAL2**	*66.00*
			M12 connector	**XS512B1NAM12**	*66.00*
	NC	PNP	Pre-cable (L=2m)	**XS512B1PBL2**	*73.00*
			M12 connector	**XS512B1PBM12**	*73.00*
		NPN	Pre-cable (L=2m)	**XS512B1NBL2**	*73.00*
			M12 connector	**XS512B1NBM12**	*73.00*
Ø18, threaded M18 x 1					
5	NO	PNP	Pre-cable (L=2m)	**XS518B1PAL2**	*75.00*
			M12 connector	**XS518B1PAM12**	*75.00*
		NPN	Pre-cable (L=2m)	**XS518B1NAL2**	*75.00*
			M12 connector	**XS518B1NAM12**	*75.00*
	NC	PNP	Pre-cable (L=2m)	**XS518B1PBL2**	*80.00*
			M12 connector	**XS518B1PBM12**	*80.00*
		NPN	Pre-cable (L=2m)	**XS518B1NBL2**	*80.00*
			M12 connector	**XS518B1NBM12**	*80.00*
Ø30, threaded M30 x 1.5					
10	NO	PNP	Pre-cable (L=2m)	**XS530B1PAL2**	*85.00*
			M12 connector	**XS530B1PAM12**	*85.00*
		NPN	Pre-cable (L=2m)	**XS530B1NAL2**	*85.00*
			M12 connector	**XS530B1NAM12**	*85.00*
	NC	PNP	Pre-cable (L=2m)	**XS530B1PBL2**	*90.80*
			M12 connector	**XS530B1PBM12**	*90.80*
		NPN	Pre-cable (L=2m)	**XS530B1NBL2**	*90.80*
			M12 connector	**XS530B1NBM12**	*90.80*

Sensors, 2-wire d.c. 12-48 V, long case model



XS5 ●●B1●●L2

XS5●●B1●●M12

Sensing distance (Sn) mm	Function	Output	Connection (1)	Reference	
Ø8, threaded M8 x 1					
1.5	NO		Pre-cable (L=2m)	**XS508B1DAL2**	*87.00*
			M12 connector	**XS508B1DAM12**	*87.00*
	NC		Pre-cable (L=2m)	**XS508B1DBL2**	*92.00*
			M12 connector	**XS508B1DBM12**	*92.00*
Ø12, threaded M12 x 1					
2	NO		Pre-cable (L=2m)	**XS512B1DAL2**	*73.00*
			M12 connector	**XS512B1DAM12**	*73.00*
	NC		Pre-cable (L=2m)	**XS512B1DBL2**	*77.00*
			M12 connector	**XS512B1DBM12**	*77.00*
Ø18, threaded M18 x 1					
5	NO		Pre-cable (L=2m)	**XS518B1DAL2**	*84.00*
			M12 connector	**XS518B1DAM12**	*84.00*
	NC		Pre-cable (L=2m)	**XS518B1DBL2**	*89.80*
			M12 connector	**XS518B1DBM12**	*89.80*
Ø30, threaded M30 x 1.5					
10	NO		Pre-cable (L=2m)	**XS530B1DAL2**	*95.00*
			M12 connector	**XS530B1DAM12**	*95.00*
	NC		Pre-cable (L=2m)	**XS530B1DBL2**	*101.50*
			M12 connector	**XS530B1DBM12**	*101.50*

*(1) For an output with a 5m long cable, replace **L2** by **L5** with **an added price of S$11.00***
*For an output with 10m long cable, replace **L2** by **L10** with **an added price of S$22.70***
Example: XS5 08B1PAL2 becomes XS5 08B1PAL5 with a 5 m long cable.

Inductive proximity sensors

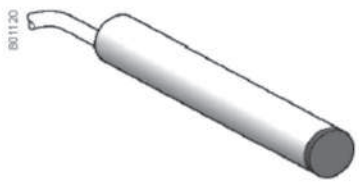
OsiSense XS, general purpose

Cylindrical, increased range, flush mountable

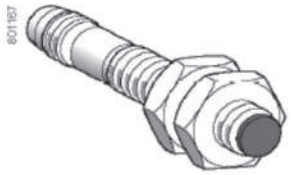
Three-wire DC, solid-state output

Unit price (excl. GST) in Singapore Dollars

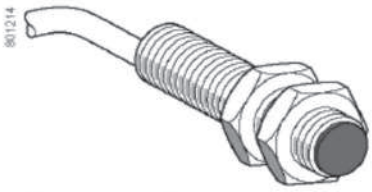
Sensors, 3-wire d.c. 12-24 V, short case model



XS1 06B3●●L2



XS1 08B3●●M8



XS1 12B3●●L2

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Ø 6.5, plain					
2.5	NO	PNP	Pre-cabled (L = 2 m)	**XS106B3PAL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS106B3PAL5**	*67.30*
			M8 connector	**XS106B3PAM8**	*63.60*
			M12 connector	**XS106B3PAM12**	*63.60*
		NPN	Pre-cabled (L = 2 m)	**XS106B3NAL2**	*63.60*
			M8 connector	**XS106B3NAM8**	*63.60*
	NC	PNP	Pre-cabled (L = 2 m)	**XS106B3PBL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS106B3PBL5**	*67.30*
			M8 connector	**XS106B3PBM8**	*63.60*
Ø 8, threaded M8 x 1					
2.5	NO	PNP	Pre-cabled (L = 2 m)	**XS108B3PAL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS108B3PAL5**	*67.30*
			M8 connector	**XS108B3PAM8**	*63.60*
			M12 connector	**XS108B3PAM12**	*63.60*
		NPN	Pre-cabled (L = 2 m)	**XS108B3NAL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS108B3NAL5**	*67.30*
			M8 connector	**XS108B3NAM8**	*63.60*
			M12 connector	**XS108B3NAM12**	*63.60*
	NC	PNP	Pre-cabled (L = 2 m)	**XS108B3PBL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS108B3PBL5**	*67.30*
			M8 connector	**XS108B3PBM8**	*63.60*
			M12 connector	**XS108B3PBM12**	*63.60*
		NPN	Pre-cabled (L = 2 m)	**XS108B3NBL2**	*63.60*
			Pre-cabled (L = 5 m)	**XS108B3NBL5**	*67.30*
			M8 connector	**XS108B3NBM8**	*63.60*
			M12 connector	**XS108B3NBM12**	*63.60*
Ø 12, threaded M12 x 1					
4	NO	PNP	Pre-cabled (L = 2 m)	**XS112B3PAL2**	*60.50*
			Pre-cabled (L = 5 m)	**XS112B3PAL5**	*67.30*
			M12 connector	**XS112B3PAM12**	*60.50*
		NPN	Pre-cabled (L = 2 m)	**XS112B3NAL2**	*60.50*
			Pre-cabled (L = 5 m)	**XS112B3NAL5**	*67.30*
			M12 connector	**XS112B3NAM12**	*60.50*
	NC	PNP	Pre-cabled (L = 2 m)	**XS112B3PBL2**	*60.50*
			Pre-cabled (L = 5 m)	**XS112B3PBL5**	*67.30*
			M12 connector	**XS112B3PBM12**	*60.50*
		NPN	Pre-cabled (L = 2 m)	**XS112B3NBL2**	*60.50*
			Pre-cabled (L = 5 m)	**XS112B3NBL5**	*67.30*
			M12 connector	**XS112B3NBM12**	*60.50*

Inductive proximity sensors

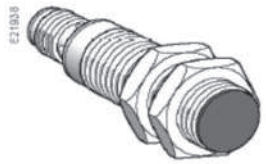
OsiSense XS, general purpose

Cylindrical, increased range, flush mountable

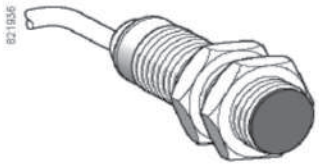
Three-wire DC, solid-state output

Unit price (excl. GST) in Singapore Dollars

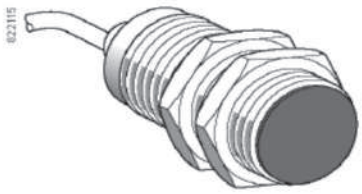
Sensors, 3-wire d.c. 12-24 V, short case model (continued)



XS1 18B3●●M12



XS1 18B3●●●L2



XS1 30B3●●L2

XSZ B1●●

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Ø 18, threaded M18 x 1					
8	NO	PNP	Pre-cabled (L = 2 m) *(1)*	**XS118B3PAL2**	*59.00*
			Pre-cabled (L = 5 m) *(1)*	**XS118B3PAL5**	*64.30*
			M12 connector	**XS118B3PAM12**	*59.00*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS118B3NAL2**	*59.00*
			Pre-cabled (L = 5 m) *(1)*	**XS118B3NAL5**	*64.30*
			M12 connector	**XS118B3NAM12**	*59.00*
	NC	PNP	Pre-cabled (L = 2 m) *(1)*	**XS118B3PBL2**	*59.00*
			Pre-cabled (L = 5 m) *(1)*	**XS118B3PBL5**	*64.30*
			M12 connector	**XS118B3PBM12**	*59.00*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS118B3NBL2**	*59.00*
			Pre-cabled (L = 5 m) *(1)*	**XS118B3NBL5**	*64.30*
			M12 connector	**XS118B3NBM12**	*59.00*
Ø 30, threaded M30 x 1.5					
15	NO	PNP	Pre-cabled (L = 2 m) *(1)*	**XS130B3PAL2**	*68.70*
			Pre-cabled (L = 5 m) *(1)*	**XS130B3PAL5**	*75.50*
			M12 connector	**XS130B3PAM12**	*68.70*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS130B3NAL2**	*68.70*
			Pre-cabled (L = 5 m) *(1)*	**XS130B3NAL5**	*75.50*
			M12 connector	**XS130B3NAM12**	*68.70*
	NC	PNP	Pre-cabled (L = 2 m) *(1)*	**XS130B3PBL2**	*68.70*
			Pre-cabled (L = 5 m) *(1)*	**XS130B3PBL5**	*75.50*
			M12 connector	**XS130B3PBM12**	*68.70*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS130B3NBL2**	*68.70*
			Pre-cabled (L = 5 m) *(1)*	**XS130B3NBL5**	*75.50*
			M12 connector	**XS130B3NBM12**	*68.70*

Accessories

Description		Reference	
Fixing clamps	Ø 6.5, plain	**XSZB165**	*12.30*
	Ø 8, threaded M8 x 1	**XSZB108**	*8.20*
	Ø 12, threaded M12 x 1	**XSZB112**	*6.20*
	Ø 18, threaded M18 x 1	**XSZB118**	*7.20*
	Ø 30, threaded M30 x 1.5	**XSZB130**	*8.20*

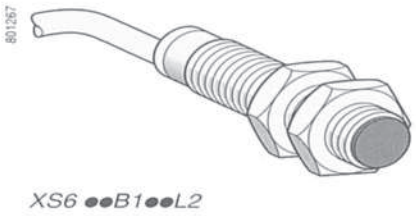
Life Is On Schneider Electric

Inductive proximity sensors

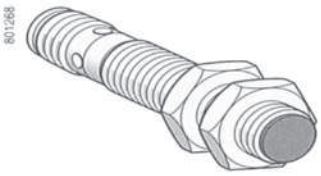
OsiSense XS, general purpose
Cylindrical, increased range, flush mountable
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

Sensors, 3-wire, d.c. 12-48 V, long case model

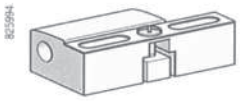


XS6 ●●B1●●L2



XS6 ●●B1●●M12

Sensing distance (Sn) mm	Function	Output	Connection (1)	Reference	Price (S$)
Ø8, threaded M8 x1					
2.5	NO	PNP	Pre-cable (L=2m)	**XS608B1PAL2**	*95.00*
			M12 connector	**XS608B1PAM12**	*95.00*
		NPN	Pre-cable (L=2m)	**XS608B1NAL2**	*95.00*
			M12 connector	**XS608B1NAM12**	*95.00*
	NC	PNP	Pre-cable (L=2m)	**XS608B1PBL2**	*102.50*
			M12 connector	**XS608B1PBM12**	*102.50*
		NPN	Pre-cable (L=2m)	**XS608B1NBL2**	*102.50*
			M12 connector	**XS608B1NBM12**	*102.50*
Ø12, threaded M12 x 1					
4	NO	PNP	Pre-cable (L=2m)	**XS612B1PAL2**	*85.00*
			M12 connector	**XS612B1PAM12**	*85.00*
		NPN	Pre-cable (L=2m)	**XS612B1NAL2**	*85.00*
			M12 connector	**XS612B1NAM12**	*85.00*
	NC	PNP	Pre-cable (L=2m)	**XS612B1PBL2**	*93.30*
			M12 connector	**XS612B1PBM12**	*93.30*
		NPN	Pre-cable (L=2m)	**XS612B1NBL2**	*93.30*
			M12 connector	**XS612B1NBM12**	*93.30*
Ø18, threaded M18 x 1					
8	NO	PNP	Pre-cable (L=2m)	**XS618B1PAL2**	*93.30*
			M12 connector	**XS618B1PAM12**	*93.30*
		NPN	Pre-cable (L=2m)	**XS618B1NAL2**	*93.30*
			M12 connector	**XS618B1NAM12**	*93.30*
	NC	PNP	Pre-cable (L=2m)	**XS618B1PBL2**	*99.50*
			M12 connector	**XS618B1PBM12**	*99.50*
		NPN	Pre-cable (L=2m)	**XS618B1NBL2**	*99.50*
			M12 connector	**XS618B1NBM12**	*99.50*
Ø30, threaded M30 x 1					
15	NO	PNP	Pre-cable (L=2m)	**XS630B1PAL2**	*98.00*
			M12 connector	**XS630B1PAM12**	*98.00*
		NPN	Pre-cable (L=2m)	**XS630B1NAL2**	*98.00*
			M12 connector	**XS630B1NAM12**	*98.00*
	NC	PNP	Pre-cable (L=2m)	**XS630B1PBL2**	*106.60*
			M12 connector	**XS630B1PBM12**	*106.60*
		NPN	Pre-cable (L=2m)	**XS630B1NBL2**	*106.60*
			M12 connector	**XS630B1NBM12**	*106.60*



XSZ B●●●

Accessories

Description		Reference	Price (S$)
Fixing clamps	Ø8	**XSZB108**	*8.20*
	Ø12	**XSZB112**	*6.20*
	Ø18	**XSZB118**	*7.20*
	Ø30	**XSZB130**	*8.20*

*(1) For an output with a 5m long cable, replace **L2** by **L5** with **an added price of S$11.00***
*For an output with 10m long cable, replace **L2** by **L10** with **an added price of S$22.70***
Example: XS6 08B1PAL2 becomes XS6 08B1PAL5 with a 5 m long cable.

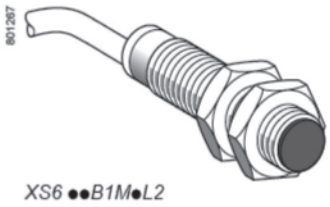
4

Inductive proximity sensors

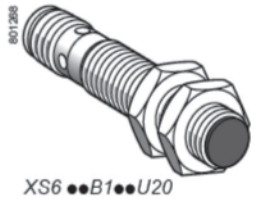
OsiSense XS, general purpose
Cylindrical, increased range, flush mountable
Two-wire AC or DC

unit price (excel. GST in Singapore Dollars)

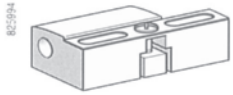
Sensors, 2-wire a.c. or d.c. 24-240 V, long case model



XS6 ●●B1M●L2



XS6 ●●B1●●U20



XSZ B●●●

Sensing distance (Sn) mm	Function	Output	Connection *(1)*	Reference	Price (S$)
Ø12, threaded M12 x 1					
4	NO		Pre-cable (L=2m)	**XS612B1MAL2**	*117.00*
			1/2" - 20 UNF connector	**XS612B1MAU20**	*142.50*
	NC		Pre-cable (L=2m)	**XS612B1MBL2**	*130.00*
			1/2" - 20 UNF connector	**XS612B1MBU20**	*155.00*
Ø18, threaded M18 x 1					
8	NO		Pre-cable (L=2m)	**XS618B1MAL2**	*122.00*
			1/2" - 20 UNF connector	**XS618B1MAU20**	*146.60*
	NC		Pre-cable (L=2m)	**XS618B1MBL2**	*137.00*
			1/2" - 20 UNF connector	**XS618B1MBU20**	*165.20*
Ø30, threaded M30 x 1					
15	NO		Pre-cable (L=2m)	**XS630B1MAL2**	*136.00*
			1/2" - 20 UNF connector	**XS630B1MAU20**	*164.20*
	NC		Pre-cable (L=2m)	**XS630B1MBL2**	*145.00*
			1/2" - 20 UNF connector	**XS630B1MBU20**	*174.40*

Accessories

Description		Reference	
Fixing clamps	Ø8	**XSZB108**	*8.20*
	Ø12	**XSZB112**	*6.20*
	Ø18	**XSZB118**	*7.20*
	Ø30	**XSZB130**	*8.20*

*(1) For an output with a 5m long cable, replace **L2** by **L5** with **an added price of S$11.00***
*For an output with 10m long cable, replace **L2** by **L10** with **an added price of S$22.70***

Example: XS6 12B1MAL2 becomes XS6 12B1MAL5 with a 5 m long cable.

Life Is On Schneider Electric

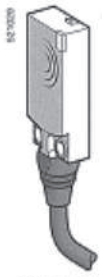
Inductive proximity sensors

OsiSense XS, general purpose, standard range
Flat format, flush mountable
Two-wire DC. Three-wire DC, solid-state output

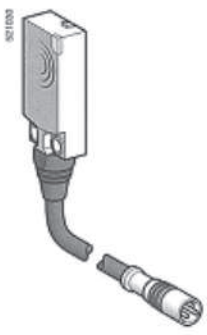
unit price (excel. GST in Singapore Dollars)

XS7 J1A1eeL2

XS7 J1A1eeL01M8



XS7 F1A1eeL2



XS7 F1A1eeL01M8

Sensing distance (Sn) mm	Function	Output	Connection (2)	Reference	Price (S$)
Flat, 8 x 22 x 8 mm format *(1)*					
Three-wire d.c.					
2.5	NO	PNP	Pre-cabled (2m)	**XS7J1A1PAL2**	*73.00*
			0.15m flying lead with M8 connector	**XS7J1A1PAL01M8**	*79.00*
		NPN	Pre-cabled (2m)	**XS7J1A1NAL2**	*73.00*
			0.15m flying lead with M8 connector	**XS7J1A1NAL01M8**	*79.00*
	NC	PNP	Pre-cabled (2m)	**XS7J1A1PBL2**	*84.70*
			0.15m flying lead with M8 connector	**XS7J1A1PBL01M8**	*89.80*
		NPN	Pre-cabled (2m)	**XS7J1A1NBL2**	*84.70*
			0.15m flying lead with M8 connector	**XS7J1A1NBL01M8**	*89.80*
Two-wire d.c.					
2.5	NO		Pre-cabled (2m)	**XS7J1A1DAL2**	*81.00*
			0.15m flying lead with M8 connector	**XS7J1A1DAL01M8**	*85.00*
	NC		Pre-cabled (2m)	**XS7J1A1DBL2**	*85.00*
			0.15m flying lead with M8 connector	**XS7J1A1DBL01M8**	*92.30*
Flat, 5 x 32 x 8 mm format *(1)*					
Three-wire d.c.					
5	NO	PNP	Pre-cabled (2m)	**XS7F1A1PAL2**	*85.00*
			0.15m flying lead with M8 connector	**XS7F1A1PAL01M8**	*92.30*
		NPN	Pre-cabled (2m)	**XS7F1A1NAL2**	*85.00*
			0.15m flying lead with M8 connector	**XS7F1A1NAL01M8**	*92.30*
	NC	PNP	Pre-cabled (2m)	**XS7F1A1PBL2**	*92.30*
			0.15m flying lead with M8 connector	**XS7F1A1PBL01M8**	*95.90*
		NPN	Pre-cabled (2m)	**XS7F1A1NBL2**	*92.30*
			0.15m flying lead with M8 connector	**XS7F1A1NBL01M8**	*95.90*
Two-wire d.c.					
5	NO		Pre-cabled (2m)	**XS7F1A1DAL2**	*96.90*
			0.15m flying lead with M8 connector	**XS7F1A1DAL01M8**	*103.00*
	NC		Pre-cabled (2m)	**XS7F1A1DBL2**	*102.00*
			0.15m flying lead with M8 connector	**XS7F1A1DBL01M8**	*108.10*

*(1) The sensors **XS7J** include a basic fixing clamp with screw.*

*(2) For an output with a 5m long cable, replace **L2** by **L5 with an added price of S$11.00***
*For a 10m long cable, replace **L2** with **L10** **with an added price of S$22.70***

Example: XS7J1A1PAL2 becomes XS7J1A1PAL5 with a 5 m long cable.

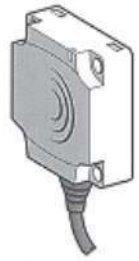
Inductive proximity sensors

OsiSense XS, general purpose, standard range
Flat format, flush mountable
Two-wire DC. Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

XS7 E1A1eeL2 XS7 E1A1eeM8

XS7 e1A1eL0eM12


XS7 C1A1eeL2

XS7 D1A1eeL2

XS7 D1A1eeM12

Sensing distance (Sn) mm	Function	Output	Connection (1)	Reference	Price (S$)
Flat, form E, 26 x 26 x 13 mm					
Three-wire d.c.					
10	NO	PNP	Pre-cable (L=2m)	**XS7E1A1PAL2**	*97.00*
			M8 connector	**XS7E1A1PAM8**	*97.00*
			Remote M12 connector	**XS7E1A1PAL01M12**	*123.40*
		NPN	Pre-cable (L=2m)	**XS7E1A1NAL2**	*97.00*
			M8 connector	**XS7E1A1NAM8**	*97.00*
			Remote M12 connector	**XS7E1A1NAL01M12**	*123.40*
	NC	PNP	Pre-cable (L=2m)	**XS7E1A1PBL2**	*104.60*
			M8 connector	**XS7E1A1PBM8**	*104.60*
			Remote M12 connector	**XS7E1A1PBL01M12**	*129.50*
		NPN	Pre-cable (L=2m)	**XS7E1A1NBL2**	*104.60*
			M8 connector	**XS7E1A1NBM8**	*104.60*
			Remote M12 connector	**XS7E1A1NBL01M12**	*129.50*
Two-wire d.c.					
10	NO		Pre-cable (L=2m)	**XS7E1A1DAL2**	*110.20*
			M8 connector	**XS7E1A1DAM8**	*110.20*
			Remote M12 connector	**XS7E1A1DAL01M12**	*137.70*
	NC		Pre-cable (L=2m)	**XS7E1A1DBL2**	*110.20*
			M8 connector	**XS7E1A1DBM8**	*116.30*
			Remote M12 connector	**XS7E1A1DBL01M12**	*144.80*
Flat, form C 40 x 40 x 15 mm					
Three-wire d.c.					
15	NO	PNP	Pre-cable (L=2m)	**XS7C1A1PAL2**	*104.60*
			M8 connector	**XS7C1A1PAM8**	*104.60*
			Remote M12 connector	**XS7C1A1PAL01M12**	*131.60*
		NPN	Pre-cable (L=2m)	**XS7C1A1NAL2**	*104.60*
			M8 connector	**XS7C1A1NAM8**	*104.60*
			Remote M12 connector	**XS7C1A1NAL01M12**	*131.60*
	NC	PNP	Pre-cable (L=2m)	**XS7C1A1PBL2**	*110.20*
			M8 connector	**XS7C1A1PBM8**	*110.20*
			Remote M12 connector	**XS7C1A1PBL01M12**	*137.70*
		NPN	Pre-cable (L=2m)	**XS7C1A1NBL2**	*110.20*
			M8 connector	**XS7C1A1NBM8**	*110.20*
			Remote M12 connector	**XS7C1A1NBL01M12**	*137.70*
Two-wire d.c.					
15	NO		Pre-cable (L=2m)	**XS7C1A1DAL2**	*116.30*
			M8 connector	**XS7C1A1DAM8**	*116.30*
			Remote M12 connector	**XS7C1A1DAL01M12**	*144.80*
	NC		Pre-cable (L=2m)	**XS7C1A1DBL2**	*122.40*
			M8 connector	**XS7C1A1DBM8**	*122.40*
			Remote M12 connector	**XS7C1A1DBL01M12**	*152.00*
Flat, form D 80 x 80 x 26 mm					
Three-wire d.c.					
40	NO	PNP	Pre-cable (L=2m)	**XS7D1A1PAL2**	*196.90*
			M12 connector	**XS7D1A1PAM12**	*196.90*
		NPN	Pre-cable (L=2m)	**XS7D1A1NAL2**	*196.90*
			M12 connector	**XS7D1A1NAM12**	*196.90*
	NC	PNP	Pre-cable (L=2m)	**XS7D1A1PBL2**	*208.10*
			M12 connector	**XS7D1A1PBM12**	*208.10*
		NPN	Pre-cable (L=2m)	**XS7D1A1NBL2**	*208.10*
			M12 connector	**XS7D1A1NBM12**	*208.10*
Two-wire d.c.					
40	NO		Pre-cable (L=2m)	**XS7D1A1DAL2**	*219.30*
			M12 connector	**XS7D1A1DAM12**	*219.30*
	NC		Pre-cable (L=2m)	**XS7D1A1DBL2**	*231.50*
			M12 connector	**XS7D1A1DBM12**	*257.00*

*(1) For an output with a 5m long cable, replace **L2** by **L5 with an added price of S$11.00***
*For a 10m long cable, replace **L2** with **L10** **with an added price of S$22.70***
Example: XS7J1A1PAL2 becomes XS7J1A1PAL5 with a 5m long cable.

Life Is On Schneider Electric

Inductive proximity sensors

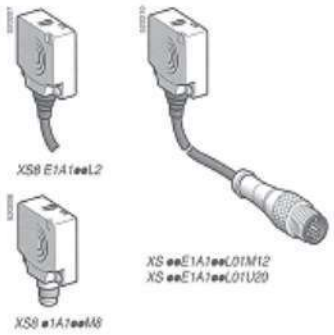
OsiSense XS, general purpose with increased range

Flat, flush mountable/non flush mountable + teach mode *(1)*

Two-wire AC or DC

Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)



Sensing distance (Sn) mm	Function	Output	Connection	Reference	Price (S$)
Flat, 26 x 26 x 13 mm format					
Three-wire dc with overload and short-circuit protection					
15	NO	PNP	Pre-cabled (2m) *(2)*	**XS8E1A1PAL2**	*151.70*
			M8 connector	**XS8E1A1PAM8**	*151.70*
			Remote M12 connector	**XS8E1A1PAL01M12**	*177.50*
		NPN	Pre-cabled (2m) *(2)*	**XS8E1A1NAL2**	*151.70*
			M8 connector	**XS8E1A1NAM8**	*151.70*
			Remote M12 connector	**XS8E1A1NAL01M12**	*177.50*
	NC	PNP	Pre-cabled (2m) *(2)*	**XS8E1A1PBL2**	*158.10*
			M8 connector	**XS8E1A1PBM8**	*158.10*
			Remote M12 connector	**XS8E1A1PBL01M12**	*185.60*
		NPN	Pre-cabled (2m) *(2)*	**XS8E1A1NBL2**	*158.10*
			M8 connector	**XS8E1A1NBM8**	*158.10*
			Remote M12 connector	**XS8E1A1NBL01M12**	*185.60*
Two-wire ac or dc unprotected *(3)*					
15	NO	-	Pre-cabled (2m) *(2)*	**XS8E1A1MAL2**	*169.00*
			Remote 1/2" - 20UNF connector	**XS8E1A1MAL01U20**	*195.80*
	NC	-	Pre-cabled (2m) *(2)*	**XS8E1A1MBL2**	*169.00*
			Remote 1/2" - 20UNF connector	**XS8E1A1MBL01U20**	*195.80*
Flat, 40 x 40 x 15 mm format					
Three-wire dc with overload and short-circuit protection					
25	NO	PNP	Pre-cabled (2m) *(2)*	**XS8C1A1PAL2**	*148.70*
			M8 connector	**XS8C1A1PAM8**	*148.70*
			Remote M12 connector	**XS8C1A1PAL01M12**	*169.00*
		NPN	Pre-cabled (2m) *(2)*	**XS8C1A1NAL2**	*147.60*
			M8 connector	**XS8C1A1NAM8**	*147.60*
			Remote M12 connector	**XS8C1A1NAL01M12**	*169.00*
	NC	PNP	Pre-cabled (2m) *(2)*	**XS8C1A1PBL2**	*155.00*
			M8 connector	**XS8C1A1PBM8**	*155.00*
			Remote M12 connector	**XS8C1A1PBL01M12**	*181.60*
		NPN	Pre-cabled (2m) *(2)*	**XS8C1A1NBL2**	*155.00*
			M8 connector	**XS8C1A1NBM8**	*155.00*
			Remote M12 connector	**XS8C1A1NBL01M12**	*181.60*
Two-wire ac or dc unprotected *(3)*					
25	NO	-	Pre-cabled (2m) *(2)*	**XS8C1A1MAL2**	*165.00*
			Remote 1/2" - 20UNF connector	**XS8C1A1MAL01U20**	*189.00*
	NC	-	Pre-cabled (2m) *(2)*	**XS8C1A1MBL2**	*165.00*
			Remote 1/2" - 20UNF connector	**XS8C1A1MBL01U20**	*189.00*
Flat, 80 x 80 x 26 mm format					
Three-wire dc with overload and short-circuit protection					
60	NO	PNP	Pre-cabled (2m) *(2)*	**XS8D1A1PAL2**	*305.50*
			M12 connector	**XS8D1A1PAM12**	*305.50*
		NPN	Pre-cabled (2m) *(2)*	**XS8D1A1NAL2**	*305.50*
			M12 connector	**XS8D1A1NAM12**	*305.50*
	NC	PNP	Pre-cabled (2m) *(2)*	**XS8D1A1PBL2**	*314.00*
			M12 connector	**XS8D1A1PBM12**	*314.00*
		NPN	Pre-cabled (2m) *(2)*	**XS8D1A1NBL2**	*314.00*
			M12 connector	**XS8D1A1NBM12**	*314.00*
Two-wire ac or dc unprotected *(3)*					
60	NO	-	Pre-cabled (2m) *(2)*	**XS8D1A1MAL2**	*338.30*
			Remote 1/2" - 20UNF connector	**XS8D1A1MAU20**	*362.10*
	NC	-	Pre-cabled (2m) *(2)*	**XS8D1A1MBL2**	*338.30*
			Remote 1/2" - 20UNF connector	**XS8D1A1MBU20**	*362.10*

(1) For further information on flush or non flush mountable sensors using teach mode, see catalogue

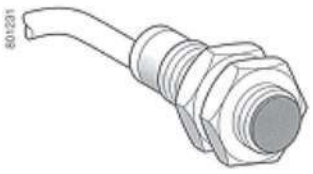
(2) For an output with a 5m long cable, replace ***L2*** *by* ***L5 with an added price of S$11.00***
For a 10m long cable, replace ***L2*** *with* ***L10 with an added price of S$22.70***
Example: XS8E1A1PAL2 becomes XS8E1A1PAL5.

(3) It is essential to connect a 0.4A quick-blow fuse in series with the load.

Inductive proximity sensors

OsiSense XS, general purpose
Plastic, cylindrical, non flush mountable
Two-wire AC or DC
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)



XS4 P●●●●340
XS4 P●●●●230

XS4 P●●●●340D
XS4 P●●●●230K

XS4 P08●●340S

Sensing distance (Sn) mm	Function	Output	Connection *(1)*	Reference	Price (S$)
Ø8					
Three-wire 12…24V dc supply					
2.5	NO	PNP	Pre-cable (L=2m)	**XS4P08PA340**	*68.30*
			M8 connector	**XS4P08PA340S**	*68.30*
		NPN	Pre-cable (L=2m)	**XS4P08NA340**	*68.30*
			M8 connector	**XS4P08NA340S**	*68.30*
	NC	PNP	Pre-cable (L=2m)	**XS4P08PB340**	*72.80*
			M8 connector	**XS4P08PB340S**	*72.80*
		NPN	Pre-cable (L=2m)	**XS4P08NB340**	*72.80*
			M8 connector	**XS4P08NB340S**	*72.80*
Two-wire a.c. or d.c. 24…240V supply, unprotected					
2.5	NO		Pre-cable (L=2m)	**XS4P08MA230**	*157.00*
			Connector 1/2"-20UNF	**XS4P08MA230K**	*157.00*
	NC		Pre-cable (L=2m)	**XS4P08MB230**	*168.30*
			Connector 1/2"-20UNF	**XS4P08MB230K**	*168.30*
Ø12					
Three-wire 12…24V dc supply					
4	NO	PNP	Pre-cable (L=2m)	**XS4P12PA340**	*59.50*
			M12 connector	**XS4P12PA340D**	*59.50*
		NPN	Pre-cable (L=2m)	**XS4P12NA340**	*59.50*
			M12 connector	**XS4P12NA340D**	*59.50*
	NC	PNP	Pre-cable (L=2m)	**XS4P12PB340**	*63.20*
			M12 connector	**XS4P12PB340D**	*63.20*
		NPN	Pre-cable (L=2m)	**XS4P12NB340**	*63.20*
			M12 connector	**XS4P12NB340D**	*63.20*
Two-wire a.c. or d.c. 24…240V supply, unprotected					
4	NO		Pre-cable (L=2m)	**XS4P12MA230**	*120.00*
			Connector 1/2"-20UNF	**XS4P12MA230K**	*120.00*
	NC		Pre-cable (L=2m)	**XS4P12MB230**	*129.50*
			Connector 1/2"-20UNF	**XS4P12MB230K**	*129.50*
Ø18					
Three-wire 12…24V dc supply					
8	NO	PNP	Pre-cable (L=2m)	**XS4P18PA340**	*73.00*
			M12 connector	**XS4P18PA340D**	*73.00*
		NPN	Pre-cable (L=2m)	**XS4P18NA340**	*73.00*
			M12 connector	**XS4P18NA340D**	*73.00*
	NC	PNP	Pre-cable (L=2m)	**XS4P18PB340**	*77.00*
			M12 connector	**XS4P18PB340D**	*77.00*
		NPN	Pre-cable (L=2m)	**XS4P18NB340**	*77.00*
			M12 connector	**XS4P18NB340D**	*77.00*
Two-wire a.c. or d.c. 24…240V supply, unprotected					
8	NO		Pre-cable (L=2m)	**XS4P18MA230**	*124.00*
			Connector 1/2"-20UNF	**XS4P18MA230K**	*124.00*
	NC		Pre-cable (L=2m)	**XS4P18MB230**	*134.30*
			Connector 1/2"-20UNF	**XS4P18MB230K**	*134.30*
Ø30					
Three-wire 12…24V dc supply					
15	NO	PNP	Pre-cable (L=2m)	**XS4P30PA340**	*82.00*
			M12 connector	**XS4P30PA340D**	*82.00*
		NPN	Pre-cable (L=2m)	**XS4P30NA340**	*82.00*
			M12 connector	**XS4P30NA340D**	*82.00*
	NC	PNP	Pre-cable (L=2m)	**XS4P30PB340**	*87.70*
		NPN	Pre-cable (L=2m)	**XS4P30NB340**	*87.70*
Two-wire a.c. or d.c. 24…240V supply, unprotected					
15	NO		Pre-cable (L=2m)	**XS4P30MA230**	*139.00*
			Connector 1/2"-20UNF	**XS4P30MA230K**	*139.00*
	NC		Pre-cable (L=2m)	**XS4P30MB230**	*147.00*
			Connector 1/2"-20UNF	**XS4P30MB230K**	*147.00*

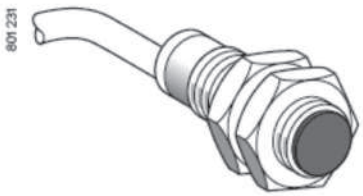
(1) For an output with a 5m long cable, ***add L1 to the reference with an added price of S$11.00***
For an output with 10m long cable, add ***L2 to the reference with an added price of S$22.70***
Example: XS4P08PA340 becomes XS4P08PA340L1 with 5m long cable.

Life Is On Schneider Electric

Inductive proximity sensors

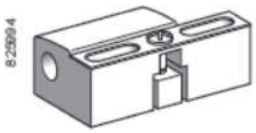
OsiSense XS, general purpose
Basic, plastic, cylindrical, non flush mountable
Three-wire DC, solid-state output

Unit price (excl. GST) in Singapore Dollars



XS2 ●●AL●●L2

XS2 ●●AL●●M12



XSZ B1●●

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Ø 8, threaded M8 x 1					
Three-wire dc 12-24 V, non flush mountable					
2.5	NO	PNP	Pre-cabled (L = 2 m) *(1)*	**XS208ALPAL2**	*64.30*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS208ALNAL2**	*64.30*
	NC	PNP	Pre-cabled (L = 2 m) *(1)*	**XS208ALPBL2**	*64.30*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS208ALNBL2**	*64.30*
Ø 12, threaded M12 x 1					
Three-wire dc 12-24 V, non flush mountable					
4	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS212ALPAL2**	*57.10*
			M12 connector	**XS212ALPAM12**	*57.10*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS212ALNAL2**	*57.10*
			M12 connector	**XS212ALNAM12**	*57.10*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS212ALPBL2**	*57.10*
			M12 connector	**XS212ALPBM12**	*57.10*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS212ALNBL2**	*57.10*
			M12 connector	**XS212ALNBM12**	*57.10*
Ø 18, threaded M18 x 1					
Three-wire dc 12-24 V, non flush mountable					
8	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS218ALPAL2**	*60.50*
			M12 connector	**XS218ALPAM12**	*60.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS218ALNAL2**	*60.50*
			M12 connector	**XS218ALNAM12**	*60.50*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS218ALPBL2**	*60.50*
			M12 connector	**XS218ALPBM12**	*60.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS218ALNBL2**	*60.50*
			M12 connector	**XS218ALNBM12**	*60.50*
Ø 30, threaded M30 x 1.5					
Three-wire dc 12-24 V, non flush mountable					
15	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS230ALPAL2**	*77.50*
			M12 connector	**XS230ALPAM12**	*77.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS230ALNAL2**	*77.50*
			M12 connector	**XS230ALNAM12**	*77.50*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS230ALPBL2**	*77.50*
			M12 connector	**XS230ALPBM12**	*77.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS230ALNBL2**	*77.50*
			M12 connector	**XS230ALNBM12**	*77.50*

Accessories

Description		Reference	
Fixing clamps	Ø 8	**XSZB108**	*8.20*
	Ø 12	**XSZB112**	*6.20*
	Ø 18	**XSZB118**	*7.20*
	Ø 30	**XSZB130**	*8.20*

(1) For a 5 m long cable replace L2 by L5.
Example: XS2 08ALPAL2 becomes XS2 08ALPAL5 with a 5 m long cable.
(2) For a 5 m long cable replace L2 by L5; for a 10 m long cable replace L2 by L10.
Example: XS2 18ALPAL2 becomes XS2 18ALPAL5 with a 5 m long cable.
Consult our Sales office for quote.

Inductive proximity sensors

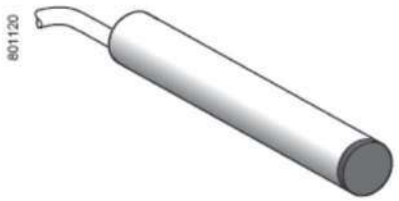
OsiSense XS, general purpose

Basic, cylindrical, metal, flush and non flush mountable

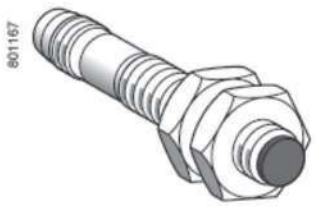
Two-wire AC

Three-wire DC, solid-state output

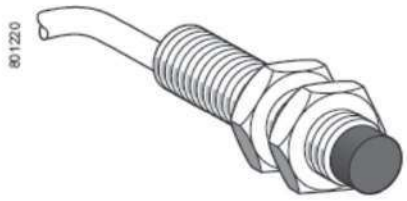
Unit price (excl. GST) in Singapore Dollars



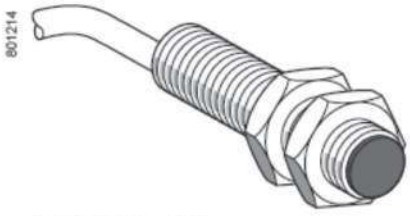
XS1 06BL●●L2



XS1 08BL●●M8



XS2 08BL●●L2



XS1 12BL●●L2

XS2 12BL●●M12

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Ø 6.5, plain					
Three-wire dc 12-24 V, flush mountable					
1.5	NO	PNP	Pre-cabled (L = 2 m) *(1)*	**XS106BLPAL2**	*61.20*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS106BLNAL2**	*61.20*
	NC	PNP	Pre-cabled (L = 2 m) *(1)*	**XS106BLPBL2**	*61.20*
		NPN	Pre-cabled (L = 2 m) *(1)*	**XS106BLNBL2**	*61.20*
Ø 8, threaded M8 x 1					
Three-wire dc 12-24 V, flush mountable					
1.5	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS108BLPAL2**	*61.20*
			M8 connector	**XS108BLPAM8**	*61.20*
			M12 connector	**XS108BLPAM12**	*61.20*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS108BLNAL2**	*61.20*
			M8 connector	**XS108BLNAM8**	*61.20*
			M12 connector	**XS108BLNAM12**	*61.20*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS108BLPBL2**	*61.20*
			M8 connector	**XS108BLPBM8**	*61.20*
			M12 connector	**XS108BLPBM12**	*61.20*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS108BLNBL2**	*61.20*
			M8 connector	**XS108BLNBM8**	*61.20*
			M12 connector	**XS108BLNBM12**	*61.20*
Three-wire dc 12-24 V, non flush mountable					
2.5	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS208BLPAL2**	*67.30*
			M8 connector	**XS208BLPAM8**	*67.30*
			M12 connector	**XS208BLPAM12**	*67.30*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS208BLNAL2**	*67.30*
			M8 connector	**XS208BLNAM8**	*67.30*
			M12 connector	**XS208BLNAM12**	*67.30*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS208BLPBL2**	*67.30*
			M8 connector	**XS208BLPBM8**	*67.30*
			M12 connector	**XS208BLPBM12**	*67.30*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS208BLNBL2**	*67.30*
			M8 connector	**XS208BLNBM8**	*67.30*
			M12 connector	**XS208BLNBM12**	*67.30*
Ø 12, threaded M12 x 1					
Three-wire dc 12-24 V, flush mountable					
2	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS112BLPAL2**	*54.00*
			M12 connector	**XS112BLPAM12**	*54.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS112BLNAL2**	*54.00*
			M12 connector	**XS112BLNAM12**	*54.00*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS112BLPBL2**	*54.00*
			M12 connector	**XS112BLPBM12**	*54.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS112BLNBL2**	*54.00*
			M12 connector	**XS112BLNBM12**	*54.00*
Two-wire ac 24-240 V, flush mountable					
2	NO		Pre-cabled (L = 2 m) *(2)*	**XS112BLFAL2**	*65.30*
Three-wire dc 12-24 V, non flush mountable					
4	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS212BLPAL2**	*60.20*
			M12 connector	**XS212BLPAM12**	*60.20*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS212BLNAL2**	*60.20*
			M12 connector	**XS212BLNAM12**	*60.20*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS212BLPBL2**	*60.20*
			M12 connector	**XS212BLPBM12**	*60.20*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS212BLNBL2**	*60.20*
			M12 connector	**XS212BLNBM12**	*60.20*

(1) For a 5 m long cable replace L2 by L5. Consult our Sales office for quote.

Example: XS1 06BLPAL2 becomes XS1 06BLPAL5 with a 5 m long cable.

(2) For a 5 m long cable replace L2 by L5; for a 10 m long cable replace L2 by L10.

Example: XS1 12BLPAL2 becomes XS1 12BLPAL10 with a 10 m long cable.

Life Is On Schneider Electric

Inductive proximity sensors

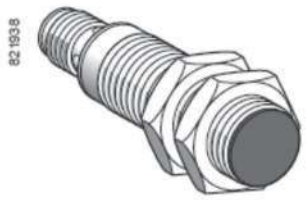
OsiSense XS, general purpose

Basic, cylindrical, metal, flush and non flush mountable

Two-wire AC

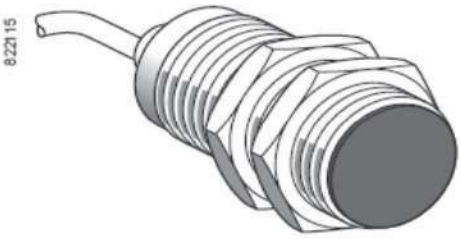
Three-wire DC, solid-state output

Unit price (excl. GST) in Singapore Dollars

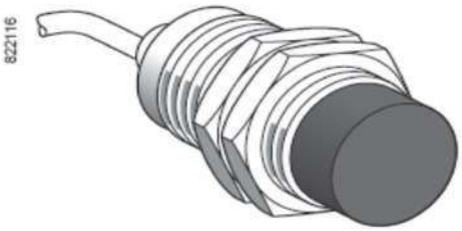


XS1 18BL●●M12

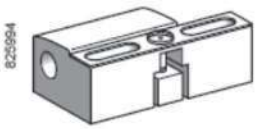
XS1 18BL●●●L2



XS1 30BL●●L2



XS2 30BL●●L2



XSZ B1●●

Sensing distance Sn (mm)	Function	Output	Connection	Reference	Price (S$)
Ø 18, threaded M18 x 1					
Three-wire dc 12-24 V, flush mountable					
5	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS118BLPAL2**	*56.00*
			M12 connector	**XS118BLPAM12**	*56.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS118BLNAL2**	*56.00*
			M12 connector	**XS118BLNAM12**	*56.00*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS118BLPBL2**	*56.00*
			M12 connector	**XS118BLPBM12**	*56.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS118BLNBL2**	*56.00*
			M12 connector	**XS118BLNBM12**	*56.00*
Two-wire ac 24-240 V, flush mountable					
5	NO		Pre-cabled (L = 2 m) *(2)*	**XS118BLFAL2**	*67.00*
Three-wire dc 12-24 V, non flush mountable					
8	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS218BLPAL2**	*63.60*
			M12 connector	**XS218BLPAM12**	*63.60*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS218BLNAL2**	*63.60*
			M12 connector	**XS218BLNAM12**	*63.60*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS218BLPBL2**	*63.60*
			M12 connector	**XS218BLPBM12**	*63.60*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS218BLNBL2**	*63.60*
			M12 connector	**XS218BLNBM12**	*63.60*
Ø 30, threaded M30 x 1.5					
Three-wire dc 12-24 V, flush mountable					
10	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS130BLPAL2**	*74.50*
			M12 connector	**XS130BLPAM12**	*74.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS130BLNAL2**	*74.50*
			M12 connector	**XS130BLNAM12**	*74.50*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS130BLPBL2**	*74.50*
			M12 connector	**XS130BLPBM12**	*74.50*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS130BLNBL2**	*74.50*
			M12 connector	**XS130BLNBM12**	*74.50*
Two-wire ac 24-240 V, flush mountable					
10	NO		Pre-cabled (L = 2 m) *(2)*	**XS130BLFAL2**	*89.80*
Three-wire dc 12-24 V, non flush mountable					
15	NO	PNP	Pre-cabled (L = 2 m) *(2)*	**XS230BLPAL2**	*82.00*
			M12 connector	**XS230BLPAM12**	*82.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS230BLNAL2**	*82.00*
			M12 connector	**XS230BLNAM12**	*82.00*
	NC	PNP	Pre-cabled (L = 2 m) *(2)*	**XS230BLPBL2**	*82.00*
			M12 connector	**XS230BLPBM12**	*82.00*
		NPN	Pre-cabled (L = 2 m) *(2)*	**XS230BLNBL2**	*82.00*
			M12 connector	**XS230BLNBM12**	*82.00*

Accessories

Description		Reference	
Fixing clamps	Ø 6.5	**XSZB165**	*12.30*
	Ø 8	**XSZB108**	*8.20*
	Ø 12	**XSZB112**	*6.20*
	Ø 18	**XSZB118**	*7.20*
	Ø 30	**XSZB130**	*8.20*

(1) For a 5 m long cable replace L2 by L5; for a 10 m long cable replace L2 by L10.
Example: XS1 18BLPAL2 becomes XS1 18BLPAL5 with a 5 m long cable.
Consult our Sales office for quote.

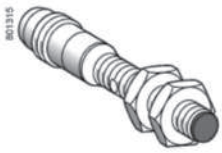
Inductive proximity sensors

OsiSense XS, general purpose
Miniature, cylindrical, flush and non flush mountable
Three-wire DC, solid-state output

unit price (excel. GST in Singapore Dollars)

XS1 L04●●310

XS1 N05●●310



XS1 N05●●311S

XS1 L04●●310S

XS● L06●●340

XS● L06●●340S
XS● L06●●349S

XS● L06●●340D

Sensing distance (Sn) mm	Function	Output	Connection (1)	Reference	Price (S$)
Ø 4 plain					
Flush mountable, brass case					
1	NO	PNP	Pre-cable (L=2m)	**XS1L04PA310**	*122.00*
3 wires			M8 connector	**XS1L04PA310S**	*122.00*
		NPN	Pre-cable (L=2m)	**XS1L04NA310**	*122.00*
			M8 connector	**XS1L04NA310S**	*122.00*
	NC	PNP	Pre-cable (L=2m)	**XS1L04PB310**	*143.80*
			M8 connector	**XS1L04PB310S**	*143.80*
		NPN	Pre-cable (L=2m)	**XS1L04NB310**	*143.80*
			M8 connector	**XS1L04NB310S**	*143.80*
Flush mountable, stainless steel case					
0.8	NO	PNP	Pre-cable (L=2m)	**XS1L04PA311**	*137.70*
3 wires			M8 connector	**XS1L04PA311S**	*137.70*
		NPN	Pre-cable (L=2m)	**XS1L04NA311**	*137.70*
			M8 connector	**XS1L04NA311S**	*137.70*
	NC	PNP	Pre-cable (L=2m)	**XS1L04PB311**	*137.70*
		NPN	Pre-cable (L=2m)	**XS1L04NB311**	*137.70*
Ø 5, thread M5 x 0.5					
Flush mountable, brass case					
1	NO	PNP	Pre-cable (L=2m)	**XS1N05PA310**	*114.00*
3 wires		NPN	Pre-cable (L=2m)	**XS1N05NA310**	*114.00*
	NC	PNP	Pre-cable (L=2m)	**XS1N05PB310**	*122.40*
		NPN	Pre-cable (L=2m)	**XS1N05NB310**	*122.40*
Flush mountable, stainless steel case					
0.8	NO	PNP	Pre-cable (L=2m)	**XS1N05PA311**	*143.50*
3 wires			M8 connector	**XS1N05PA311S**	*143.50*
		NPN	Pre-cable (L=2m)	**XS1N05NA311**	*143.50*
			M8 connector	**XS1N05NA311S**	*143.50*
	NC	PNP	Pre-cable (L=2m)	**XS1N05PB311**	*143.50*
			M8 connector	**XS1N05PB311S**	*143.50*
		NPN	Pre-cable (L=2m)	**XS1N05NB311**	*143.50*
			M8 connector	**XS1N05NB311S**	*143.50*

(1) For an output with a 5m long cable, ***add L1 to the reference with an added price of S$11.00***
For an output with a 10m long cable, ***add L2 to the reference with an added price of S$22.70***
Example: XS1L04PA310 becomes XS1L04PA310L1 with 5m long cable.

Life Is On Schneider Electric

Inductive proximity sensors

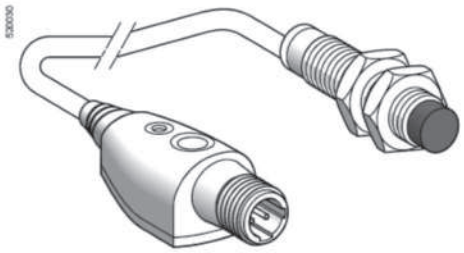
OsiSense XS Application

Adjustable range sensors

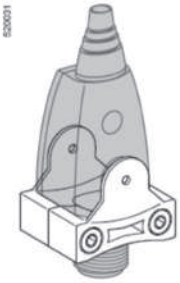
Cylindrical, flush mountable and non flush mountable

Three-wire DC, solid-state output

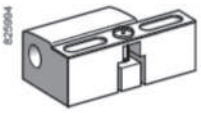
unit price (excel. GST in Singapore Dollars)



XS6 ●●B2●●L01M12



XSZ BPM12



XSZ B●●●

Sensing distance (Sn) mm	Function	Output	Connection	Reference	Price (S$)
Ø12, threaded M12 x 1					
5	NO	PNP	0.15m flying lead with M12 connector	**XS612B2PAL01M12**	*121.40*
		NPN	0.15m flying lead with M12 connector	**XS612B2NAL01M12**	*121.40*
	NC	PNP	0.15m flying lead with M12 connector	**XS612B2PBL01M12**	*128.50*
		NPN	0.15m flying lead with M12 connector	**XS612B2NBL01M12**	*128.50*
Ø18, threaded M18 x 1					
9	NO	PNP	0.15m flying lead with M12 connector	**XS618B2PAL01M12**	*127.00*
		NPN	0.15m flying lead with M12 connector	**XS618B2NAL01M12**	*127.00*
	NC	PNP	0.15m flying lead with M12 connector	**XS618B2PBL01M12**	*134.00*
		NPN	0.15m flying lead with M12 connector	**XS618B2NBL01M12**	*134.00*
Ø30, threaded M30 x 1.5					
18	NO	PNP	0.15m flying lead with M12 connector	**XS630B2PAL01M12**	*139.70*
		NPN	0.15m flying lead with M12 connector	**XS630B2NAL01M12**	*139.70*
	NC	PNP	0.15m flying lead with M12 connector	**XS630B2PBL01M12**	*146.90*

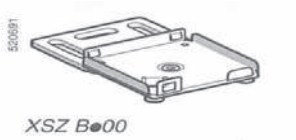
Accessories			
Description		Reference	
Remote control fixing clamp		**XSZBPM12**	*12.30*
Sensor fixing clamps	Ø12	**XSZB112**	*6.20*
	Ø18	**XSZB118**	*7.20*
	Ø30	**XSZB130**	*8.20*

Inductive proximity sensors

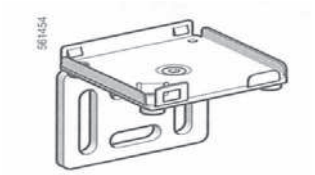
OsiSense XS

Accessories

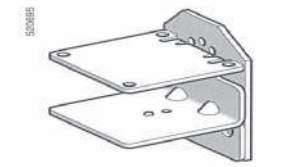
unit price (excel. GST in Singapore Dollars)



XSZ B●00

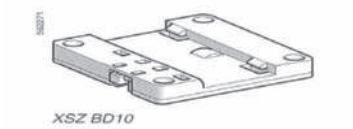


XSZ B●90



XSZ BC10

XSZ BE10



XSZ BD10

Mounting and fixing accessories

Description	For use with sensors	Reference	Price (S$)
"Clip" mounting plate	XS●J	**XSZBJ00**	*10.30*
Mounting possible without	XS●F	**XSZBF00**	*10.30*
"Clip" on tapped holes	XS●E	**XSZBE00**	*10.30*
	XS●C	**XSZBC00**	*10.30*
"Clip" 90° mounting bracket	XS●J	**XSZBJ90**	*10.30*
Mounting possible without	XS●F	**XSZBF90**	*10.30*
"Clip" on tapped holes	XS●E	**XSZBE90**	*10.30*
	XS●C	**XSZBC90**	*10.30*
Replacement bracket	XS●E Replace: XS7 T2, XS8 T2 and XSE	**XSZBE10**	*18.50*
	XS●C Replace: XS7 T4, XS7 C40, XS8 T4, XS8 C40 and ZSC	**XSZBC10**	*18.50*
	XS●D (for XSD) *(1)*	**XSZBD10**	*12.30*

(1) Depth adjustment block for converting from 80 x 80 x 26 mm format to 80 x 80 x 40 mm format.
Also enables clipping onto 35 mm "omega" rail.

Life Is On Schneider Electric

Limit switches

OsiSense XC Standard
Miniature design, metal, type XCM D
Pre-cabled

unit price (excel. GST in Singapore Dollars)

XCMD2110L1

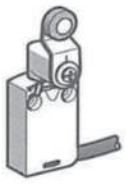
XCMD2111L1

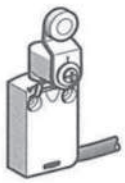
XCMD2102L1

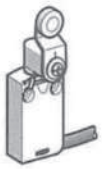
XCMD2124L1

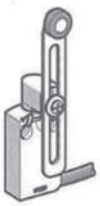
XCMD21F0L1

XCMD21G1L1


XCMD2115L1


XCMD2116L1


XCMD2117L1


XCMD2145L1

XCMD2106L1

XCMD21F2L1

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(1)*	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCMD2110L1**	*102.50*
			Metal end plunger with elastomer boot	**XCMD2111L1**	*111.80*
		By 30° cam	Steel roller plunger	**XCMD2102L1**	*114.80*
			Retractable steel roller lever plunger	**XCMD2124L1**	*120.40*
	Plunger (fixing by the body)	On end	Metal end plunger	**XCMD2110L1**	*102.50*
			Metal end plunger with elastomer boot	**XCMD2111L1**	*111.80*
		By 30° cam	M12 with steel roller plunger	**XCMD21F2L1**	*162.00*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCMD2115L1**	*111.80*
			Steel roller lever	**XCMD2116L1**	*127.10*
			Roller lever with ball bearing mounted roller	**XCMD2117L1**	*125.10*
			Variable length thermoplastic roller lever	**XCMD2145L1**	*137.40*
	Multi-directional	By any moving part	"Cat's whisker" *(2)*	**XCMD2106L1**	*129.50*
2-pole N/C+N/O break before make, slow break *(1)*	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCMD2510L1**	*115.30*
			Metal end plunger with elastomer boot	**XCMD2511L1**	*125.10*
		By 30° cam	Steel roller plunger	**XCMD2502L1**	*127.50*
			Retractable steel roller lever plunger	**XCMD2524L1**	*133.60*
	Plunger (fixing by the head)	On end	M12 with metal end plunger	**XCMD25F0L1**	*142.80*
			M16 with metal end plunger with elastomer boot	**XCMD25G1L1**	*158.10*
		By 30° cam	M12 with steel roller plunger	**XCMD25F2L1**	*174.40*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCMD2515L1**	*125.10*
			Steel roller lever	**XCMD2516L1**	*139.70*
			Roller lever with ball bearing mounted roller	**XCMD2517L1**	*138.70*
			Variable length thermoplastic roller lever	**XCMD2545L1**	*151.70*
	Multi-directional	By any moving part	"Cat's whisker" *(2)*	**XCMD2506L1**	*142.80*

(1) N/C contact with positive opening operation

(2) Value taken with actuation by moving part at 100mm from the fixings.

Limit switches

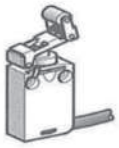
OsiSense XC Standard
Miniature design, metal, type XCM D
Connector

unit price (excel. GST in Singapore Dollars)

XCMD2110M12

XCMD2111M12

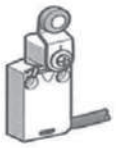
XCMD2102M12



XCMD2124M12

XCMD21F0L1

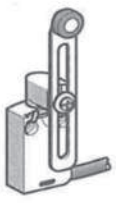
XCMD21G1L1



XCMD2115L1

XCMD2116L1

XCMD2117L1



XCMD2145L1

XCMD2106L1

XCMD21F2L1

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
Single-pole C/O snap action with integral M12 4-pin connector	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCMD2110M12**	*132.60*
			Metal end plunger with elastomer boot	**XCMD2111M12**	*143.80*
		By 30° cam	Steel roller plunger	**XCMD2102M12**	*148.70*
			Retractable steel roller lever plunger	**XCMD2124M12**	*156.10*
	Plunger (fixing by the head)	On end	M12 with metal end plunger	**XCMD21F0M12**	*168.30*
			M16 with metal end plunger with elastomer boot	**XCMD21G1M12**	*187.70*
		By 30° cam	M12 with steel roller plunger	**XCMD21F2M12**	*209.10*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCMD2115M12**	*143.80*
			Steel roller lever	**XCMD2116M12**	*164.20*
			Roller lever with ball bearing mounted roller	**XCMD2117M12**	*162.20*
			Variable length thermoplastic roller lever	**XCMD2145M12**	*177.50*
	Multi-directional	By any moving part	"Cat's whisker" *(1)*	**XCMD2106M12**	*168.30*
2-pole N/C+N/O snap action with integral M12 5-pin connector	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCMD2110C12**	*132.60*
			Metal end plunger with elastomer boot	**XCMD2111C12**	*143.80*
		By 30° cam	Steel roller plunger	**XCMD2102C12**	*148.70*
			Retractable steel roller lever plunger	**XCMD2124C12**	*156.10*
	Plunger (fixing by the head)	On end	M12 with metal end plunger	**XCMD21F0C12**	*168.30*
			M16 with metal end plunger with elastomer boot	**XCMD21G1C12**	*187.70*
		By 30° cam	M12 with steel roller plunger	**XCMD21F2C12**	*209.10*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCMD2115C12**	*143.80*
			Steel roller lever	**XCMD2116C12**	*164.20*
			Roller lever with ball bearing mounted roller	**XCMD2117C12**	*162.20*
			Variable length thermoplastic roller lever	**XCMD2145C12**	*177.50*
	Multi-directional	By any moving part	"Cat's whisker" *(1)*	**XCMD2106C12**	*168.30*

(1) Value taken with actuation by moving part at 100mm from the fixings.

Life Is On Schneider Electric

Limit switches

OsiSense XC Standard

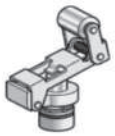
Miniature design, metal, type XCM D

Variable composition

unit price (excel. GST in Singapore Dollars)

Heads - common to miniature and compact bodies

Metal plunger and multi-directional heads

Description	Metal end plunger	Metal end plunger with protective elastomer boot	Steel roller plunger	Retractable steel roller lever plunger	Thermoplastic roller lever plunger, horizontal actuation
					
Reference	**ZCE10**	**ZCE11**	**ZCE02**	**ZCE24**	**ZCE21**
Price (S$)	*15.30*	*24.50*	*32.80*	*68.40*	*34.70*

Metal rotary heads and levers

Description	Rotary head without lever, spring return, for actuation from LH or RH side	Thermoplastic roller lever, track: 24/31 mm (ZCMD) 29/36 mm (ZCD/P/T)	Steel roller lever, track: 24/31 mm (ZCMD) 29/36 mm (ZCD/P/T)	Thermoplastic roller lever, track: 16/39 mm (ZCMD) 21/44 mm (ZCD/P/T)	Steel roller lever, track: 16/39 mm (ZCMD) 21/44 mm (ZCD/P/T)
Reference	**ZCE01**	**ZCY15**	**ZCY16**	**ZCY25**	**ZCY26**
Price (S$)	*20.40*	*6.20*	*6.20*	*6.20*	*6.20*

Bodies

Miniature

Bodies with contacts for use in conjuction with Pre-cable connections (see below)

Type of contact	2-pole NO+NC Snap action	2-pole NC+NO Slow break
Ref. of metal body	**ZCMD21**	**ZCMD25**
Price (S$)	*48.00*	*78.50*

Connection of miniature bodies

Specific pre-cabled connection components	for ZCMD21	for ZCMD25
Reference: L = 1 m	**ZCMC21L1**	**ZCMC25L1**
Price (S$)	*40.00*	*40.00*

4

Limit switches (Cont.)

OsiSense XC Standard
Miniature design, metal, type XCM D
Variable composition

unit price (excel. GST in Singapore Dollars)

Thermoplastic roller lever plunger, vertical actuation	M12 head metal end plunger	M12 head steel roller plunger	Spring rod	Spring rod with plastic end	"Cat's whisker"
ZCE27	**ZCEF0**	**ZCEF2**	**ZCE08**	**ZCE07**	**ZCE06**
38.00	*32.80*	*94.30*	*43.90*	*43.90*	*35.70*

Thermoplastic roller lever, track: 20/36 mm (ZCMD) 24/40 mm (ZCD/P/T)	Steel roller lever, track: 20/36 mm (ZCMD) 24/40 mm (ZCD/P/T)	Ceramic roller lever	Variable length thermoplastic roller lever	Round, glass fibre rod lever Ø 3 mm L=125 mm	Metal spring-rod lever
ZCY18	**ZCY19**	**ZCY22**	**ZCY45**	**ZCY55**	**ZCY91**
6.20	*57.10*	*7.20*	*8.20*	*6.20*	*12.30*

Bodies with integral connector, with snap action contact		Pre-cable bodies with snap action contact	
2-pole NC+NO Snap action Connector 5 pin	1-pole 1C/O Snap action Connector 4 pin	2-pole NO+NC Snap action cable L=1 m	4-pole NC+NC+NO+NO Snap action cable L=1 m
ZCMD21C12	**ZCMD21M12**	**ZCMD21L1**	**ZCMD41L1**
130.20	*130.20*	*84.70*	*127.50*

Life Is On Schneider Electric

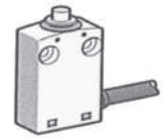
Limit switches

OsiSense XC Basic

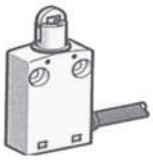
Miniature design, plastic, type XCM N

Pre-cabled

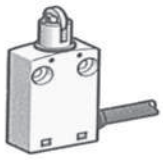
unit price (excel. GST in Singapore Dollars)



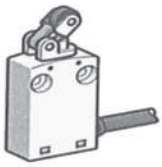
XCMN2110L1



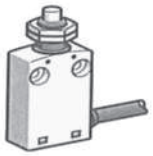
XCMN2102L1



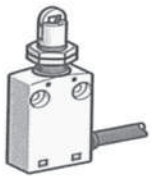
XCMN2103L1



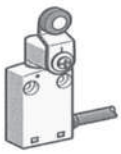
XCMN2121L1



XCMN21F0L1

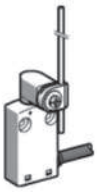


XCMN21F2L1



XCMN2115L1

XCMN2145L1



XCMN2159L1

XCMN21F3L1

XCMN2107L1

XCMN2106L1

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action	**Plunger** (fixing by the body) *(1)*	On end	Metal end plunger	**XCMN2110L1**	*80.00*
		By 30° cam	Steel roller plunger for lateral cam approach	**XCMN2102L1**	*90.20*
			Steel roller plunger for traverse cam approach	**XCMN2103L1**	*90.20*
			Thermoplastic roller lever plunger, 1 direction of actuation	**XCMN2121L1**	*112.80*
	Plunger (fixing by the head) *(1)*	On end	M12 with metal end plunger	**XCMN21F0L1**	*103.60*
		By 30° cam	M12 with steel roller plunger for lateral cam approach	**XCMN21F2L1**	*128.50*
			M12 with steel roller plunger for traverse cam approach	**XCMN21F3L1**	*128.50*
	Rotary (fixing by the body) *(1)*	By 30° cam	Thermoplastic roller lever	**XCMN2115L1**	*87.20*
			Variable length thermoplastic roller lever	**XCMN2145L1**	*120.00*
		By any moving part	Round thermoplastic rod lever Ø 6mm *(2)*	**XCMN2159L1**	*98.90*
	Multi-directional	By any moving part	Spring lever with thermoplastic end *(2)*	**XCMN2107L1**	*105.10*
			"Cat's whisker" *(2)*	**XCMN2106L1**	*115.30*

(1) N/C contact with positive opening operation.

(2) Value taken with actuation by moving part at 100mm from the fixings.

4

Limit switches

OsiSense XC Standard

Compact design, plastic, type XCK P

Complete switches with 1 cable entry

unit price (excel. GST in Singapore Dollars)

XCKP2110P16

XCKP2111P16

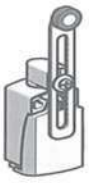
XCKP2102P16

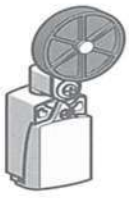
XCKP2121P16

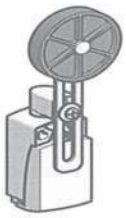
XCKP2127P16

XCKP2128P16

XCKP2118P16


XCKP2145P16


XCKP2139P16


XCKP2149P16

XCKP2106P16

Contacts	Type of head	Form EN50047	Switch actuation	Type of operator	Reference *(1)*	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	**Plunger** (fixing by the body) *(2)*	B	On end	Metal end plunger	**XCKP2110P16**	*51.00*
				Metal end plunger with elastomer boot	**XCKP2111P16**	*61.20*
		C	By 30° cam	Steel roller plunger	**XCKP2102P16**	*65.30*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKP2121P16**	*63.30*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKP2127P16**	*63.30*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKP2128P16**	*66.30*
	Plunger (fixing by the head) *(2)*	-	On end	M18 with metal end plunger	**XCKP21H0P16**	*85.70*
			By 30° cam	M18 with steel end plunger	**XCKP21H2P16**	*139.70*
	Rotary (fixing by the body) *(2)*	A	By 30° cam	Thermoplastic roller lever	**XCKP2118P16**	*61.20*
				Variable length thermoplastic roller lever	**XCKP2145P16**	*79.60*
				Thermoplastic roller lever, Ø 50mm	**XCKP2139P16**	*105.10*
				Variable length thermoplastic roller lever, Ø 50mm	**XCKP2149P16**	*141.80*
	Multi-directional	-	By any moving part	"Cat's whisker" *(3)*	**XCKP2106P16**	*85.70*
2-pole N/C+N/O break before make, slow break *(XE2NP2151)*	**Plunger** (fixing by the body) *(2)*	B	On end	Metal end plunger	**XCKP2510P16**	*55.10*
				Metal end plunger with elastomer boot	**XCKP2511P16**	*65.30*
		C	By 30° cam	Steel roller plunger	**XCKP2502P16**	*68.30*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKP2521P16**	*66.30*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKP2527P16**	*66.30*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKP2528P16**	*70.40*
	Plunger (fixing by the head) *(2)*	-	On end	M18 with metal end plunger	**XCKP25H0P16**	*97.90*
			By 30° cam	M18 with steel end plunger	**XCKP25H2P16**	*142.80*
	Rotary (fixing by the body) *(2)*	A	By 30° cam	Thermoplastic roller lever	**XCKP2518P16**	*65.30*
				Variable length thermoplastic roller lever	**XCKP2545P16**	*93.80*
				Thermoplastic roller lever, Ø 50mm	**XCKP2539P16**	*147.90*
				Variable length thermoplastic roller lever, Ø 50mm	**XCKP2549P16**	*158.10*
	Multi-directional	-	By any moving part	"Cat's whisker" *(3)*	**XCKP2506P16**	*85.70*

*(1) For an entry tapped for a n° 11 cable gland, replace **P16** in the reference by **G11**,.*
Example: XCKP2110P16 becomes XCKP2110G11.

(2) N/C contact with positive opening operation

(3) Value taken with actuation by moving part at 100mm from the fixings.

Life Is On Schneider Electric

Limit switches

OsiSense XC Standard
Compact design, plastic, type XCK P
M12 connector

unit price (excel. GST in Singapore Dollars)

XCKP2110M12

XCKP2111M12

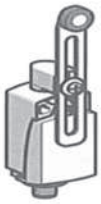
XCKP2102M12

XCKP2121M12

XCKP2127M12

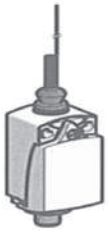
XCKP2128M12

XCKP2118M126


XCKP2145M12

XCKP2139M12

XCKP2149M12


XCKP2106M126

Contacts	Type of head	Form EN 50047	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	**Plunger** (fixing by the body) *(1)*	B	On end	Metal end plunger	**XCKP2110M12**	*62.20*
				Metal end plunger with elastomer boot	**XCKP2111M12**	*75.50*
		C	By 30° cam	Steel roller plunger	**XCKP2102M12**	*80.60*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKP2121M12**	*77.50*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKP2127M12**	*77.50*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKP2128M12**	*81.60*
	Plunger (fixing by the head) *(1)*	-	On end	M18 with metal end plunger	**XCKP21H0M12**	*107.10*
			By 30° cam	M18 with steel roller plunger	**XCKP21H2M12**	*177.50*
	Rotary (fixing by the body) *(1)*	A	By 30° cam	Thermoplastic roller lever	**XCKP2118M12**	*75.50*
				Variable length thermoplastic roller lever	**XCKP2145M12**	*103.00*
				Thermoplastic roller lever, Ø 50mm	**XCKP2139M12**	*128.50*
				Variable length thermoplastic roller lever, Ø 50mm	**XCKP2149M12**	*180.40*
	Multi-directional	-	By any moving part	"Cat's whisker" *(2)*	**XCKP2106M12**	*102.00*

(1) N/C contact with positive opening operation

(2) Value taken with actuation by moving part at 100mm from the fixings.

4

Limit switches

OsiSense XC Standard

Compact design, metal, type XCK D

Complete switches with 1 cable entry

unit price (excel. GST in Singapore Dollars)

XCKD2110P16

XCKD2111P16

XCKD2102P16

XCKD2121P16

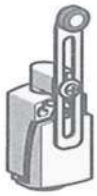
XCKD2127P16

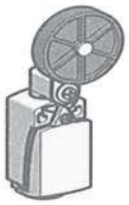
XCKD2128P16

XCKD21H0P16

XCKD21H2P16

XCKD2118P16


XCKD2145P16


XCKD2139P16

XCKD2149P16

XCKD2106P16

Contacts	Type of head	Form EN50047	Switch actuation	Type of operator	Reference (1)	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	**Plunger** (fixing by the body) *(2)*	B	On end	Metal end plunger	**XCKD2110P16**	*64.30*
				Metal end plunger with elastomer boot	**XCKD2111P16**	*75.50*
		C	By 30° cam	Steel roller plunger	**XCKD2102P16**	*78.60*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKD2121P16**	*80.60*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKD2127P16**	*80.60*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKD2128P16**	*84.70*
	Plunger (fixing by the head) *(2)*		On end	M18 with metal end plunger	**XCKD21H0P16**	*85.70*
			By 30° cam	M18 with steel end plunger	**XCKD21H2P16**	*123.40*
	Rotary (fixing by the body) *(2)*	A	By 30° cam	Thermoplastic roller lever	**XCKD2118P16**	*75.50*
				Variable length thermoplastic roller lever	**XCKD2145P16**	*82.70*
				Thermoplastic roller lever, Ø 50mm	**XCKD2139P16**	*113.20*
				Variable length thermoplastic roller lever Ø 50mm	**XCKD2149P16**	*136.40*
	Multi-directional	-	By any moving part	"Cat's whisker" *(3)*	**XCKD2106P16**	*96.90*
2-pole N/C+N/O break before slow break *(XE2NP2151)*	**Plunger** (fixing by the body)	B	On end	Metal end plunger	**XCKD2510P16**	*61.20*
				Metal end plunger with elastomer boot	**XCKD2511P16**	*70.40*
		C	By 30° cam	Steel roller plunger	**XCKD2502P16**	*73.40*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKD2521P16**	*81.60*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKD2527P16**	*81.60*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKD2528P16**	*85.70*
	Plunger (fixing by the head) *(2)*		On end	M18 with metal end plunger	**XCKD25H0P16**	*98.90*
			By 30° cam	M18 with steel end plunger	**XCKD25H2P16**	*141.80*
	Rotary (fixing by the body) *(2)*	A	By 30° cam	Thermoplastic roller lever	**XCKD2518P16**	*70.40*
				Variable length thermoplastic roller lever	**XCKD2545P16**	*95.90*
				Thermoplastic roller lever, Ø 50mm	**XCKD2539P16**	*145.90*
				Variable length thermoplastic roller lever Ø 50mm	**XCKD2549P16**	*155.00*
	Multi-directional	-	By any moving part	"Cat's whisker" *(3)*	**XCKD2506P16**	*88.70*

*(1) For an entry tapped for a n° 11 cable gland, replace **P16** in the reference by **G11**,.*
Example: XCKD2110P16 becomes XCKD2110G11.

(2) N/C contact with positive opening operation

(3) Value taken with actuation by moving part at 100mm from the fixings.

Life Is On Schneider Electric

Limit switches

OsiSense XC Standard
Compact design, metal, type XCK D
M12 connector

unit price (excel. GST in Singapore Dollars)

XCKD2110M12

XCKD2111M12

XCKD2102M12

XCKD2121M12

XCKD2127M12

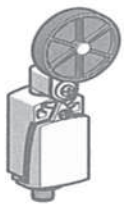
XCKD2128M12

Contacts	Type of head	Form EN 50047	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	**Plunger** (fixing by the body)	B	On end	Metal end plunger	**XCKD2110M12**	*80.60*
				Metal end plunger with elastomer boot	**XCKD2111M12**	*88.70*
		C	By 30° cam	Steel roller plunger	**XCKD2102M12**	*92.80*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKD2121M12**	*90.80*
				Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKD2127M12**	*90.80*
				Thermoplastic roller lever plunger, horiz. or vert. actuation in 1 direction	**XCKD2128M12**	*95.90*
	Plunger (fixing by the head)	-	On end	M18 with metal end plunger	**XCKD21H0M12**	*115.30*
			By 30° cam	M18 with steel roller plunger	**XCKD21H2M12**	*169.30*
	Rotary (fixing by the body)	A	By 30° cam	Thermoplastic roller lever	**XCKD2118M12**	*88.70*
				Variable length thermoplastic roller lever	**XCKD2145M12**	*111.20*
				Thermoplastic roller lever, Ø 50mm	**XCKD2139M12**	*162.20*
				Variable length thermoplastic roller lever Ø 50mm	**XCKD2149M12**	*186.70*
	Multi-directional	-	By any moving part	"Cat's whisker" *(1)*	**XCKD2106M12**	*116.30*

(1) Value taken with actuation by moving part at 100mm from the fixings.

XCKD2118M12

XCKD2145M12


XCKD2139M12

XCKD2149M12

XCKD2106M12

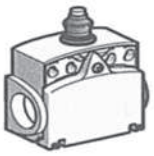
4

Limit switches

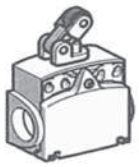
OsiSense XC Standard
Compact design, plastic, type XCK T
Complete switches with 2 cable entries

unit price (excel. GST in Singapore Dollars)

XCKT2110P16


XCKP2111P16

XCKT2102P16


XCKP2121P16

XCKT21H0P16

XCKP21H2P16

XCKT21H0P16

XCKP21H2P16

XCKT2106P16

XCKT2106P16

Contacts	Type of head	Form EN 50047	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP3151)*	**Plunger** (fixing by the body) *(1)*	B	On end	Metal end plunger	**XCKT2110P16**	*67.40*
				Metal end plunger with elastomer boot	**XCKT2111P16**	*76.50*
		C	By 30° cam	Steel roller plunger	**XCKT2102P16**	*79.60*
		E	By 30° cam	Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKT2121P16**	*77.90*
	Plunger (fixing by the head)	-	On end	M18 with metal end plunger	**XCKT21H0P16**	*105.10*
			By 30° cam	M18 with steel end plunger	**XCKT21H2P16**	*146.90*
	Rotary (fixing by the body) *(1)*	A	By 30° cam	Thermoplastic roller lever	**XCKT2118P16**	*76.50*
				Variable length thermoplastic roller lever	**XCKT2145P16**	*102.00*
				Thermoplastic roller lever, Ø 50mm	**XCKT2139P16**	*152.00*
	Multi-directional	-	By any moving part	"Cat's whisker" *(2)*	**XCKT2106P16**	*94.90*

(1) N/C contact with positive opening operation
(2) Value taken with actuation by moving part at 100mm from the fixings.

Life Is On Schneider Electric

Limit switches

OsiSense XC Standard

Compact design, types XCK D, XCK P and XCK T

Variable composition

unit price (excel. GST in Singapore Dollars)

Heads - common for compact bodies

Metal plunger and multi-directional heads

Description	Metal end plunger	Metal end plunger with protective elastomer boot	Steel roller plunger	Retractable steel roller lever plunger	Thermoplastic roller lever plunger, horizontal actuation
Reference	**ZCE10**	**ZCE11**	**ZCE02**	**ZCE24**	**ZCE21**
Price (S$)	*15.30*	*24.50*	*32.80*	*68.40*	*34.70*

Metal rotary heads and levers

Description	Rotary head without lever, spring return, for actuation from LH or RH side	Thermoplastic roller lever, track: 24/31 mm (ZCMD) 29/36 mm (ZCD/P/T)	Steel roller lever, track: 24/31 mm (ZCMD) 29/36 mm (ZCD/P/T)	Thermoplastic roller lever, track: 16/39 mm (ZCMD) 21/44 mm (ZCD/P/T)	Steel roller lever, track: 16/39 mm (ZCMD) 21/44 mm (ZCD/P/T)
Reference	**ZCE01**	**ZCY15**	**ZCY16**	**ZCY25**	**ZCY26**
Price (S$)	*20.40*	*6.20*	*6.20*	*6.20*	*6.20*

Bodies

Compact

Bodies with contacts for use in conjuction with cable gland (see below)

Type of contact	2-pole NO+NC Snap action	3-pole 2NC+NO Snap action	2-pole NC+NO Slow break	2-pole NC+NC Slow break	2-pole NO+NO Slow break
Ref. of metal body	**ZCD21**	**ZCD39**	**ZCD25**	**ZCD27**	**ZCD28**
Price (S$)	*44.90*	*59.20*	*50.00*	*56.10*	*52.10*
Ref. plastic body	**ZCP21**	**ZCP39**	**ZCP25**	**ZCP27**	**ZCP28**
Price (S$)	*31.70*	*43.10*	*36.80*	*45.90*	*42.10*

Connection of compact bodies

Interchangeable outlet for cable gland					
Description	For ISO M16 cable gland	For ISO M20 cable gland	For Pg 11 cable gland	For Pg 13.5 cable gland	For 1/2" NPT cable gland
Metal	**ZCDEP16**	**ZCDEP20**	**ZCDEG11**	**ZCDEG13**	**ZCDEN12**
Price (S$)	*7.20*	*10.30*	*7.20*	*10.30*	*21.40*
Plastic	**ZCPEP16**	**ZCPEP20**	**ZCPEG11**	**ZCPEG13**	**ZCPEN12**
Price (S$)	*6.20*	*9.20*	*6.20*	*9.20*	*21.40*

Limit switches (Cont.)

OsiSense XC Standard
Compact design, types XCK D, XCK P and XCK T
Variable composition

unit price (excel. GST in Singapore Dollars)

Thermoplastic roller lever plunger, vertical actuation	M18 head metal end plunger	M18 head steel roller plunger	Spring rod	Spring rod with plastic end	"Cat's whisker"
ZCE27 *38.00*	**ZCEH0** *32.80*	**ZCEH2** *93.80*	**ZCE08** *43.90*	**ZCE07** *43.90*	**ZCE06** *35.70*

Thermoplastic roller lever, track: 20/36 mm (ZCMD) 24/40 mm (ZCD/P/T)	Steel roller lever, track: 20/36 mm (ZCMD) 24/40 mm (ZCD/P/T)	Ceramic roller lever	Variable length thermoplastic roller lever	Round, glass fibre rod lever Ø 3 mm L=125 mm	Metal spring-rod lever	Thermoplastic roller lever Ø 50 mm	Adjustable thermo-plastic roller lever Ø 50 mm
ZCY18 *6.20*	**ZCY19** *57.10*	**ZCY22** *7.20*	**ZCY45** *8.20*	**ZCY55** *6.20*	**ZCY91** *12.30*	**ZCY39** *35.70*	**ZCY49** *57.10*

		Bodies with M12 connector, with contacts		Bodies with contacts with 2 cable entries ISO M16 x 1.5	
2-pole NC+NC Snap action	3-pole 2NC+NO Slow break	2-pole NC+NO - Snap action Connector 5-pin	Connector 4-pin	2-pole NC+NO Snap action	2-pole NC+NO Slow break
ZCD29 *52.10*	**ZCD37** *65.30*	**ZCD21M12** *129.60*			
ZCP29 *41.90*	**ZCP37** *49.00*		**ZCP21M12** *129.60*	**ZCT21P16** *48.00*	**ZCT25P16** *53.30*

For PF 1/2 (G12) cable gland

ZCDEF12
21.40

ZCPEF12
21.40

Life Is On Schneider Electric

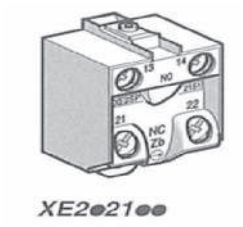
Limit switches

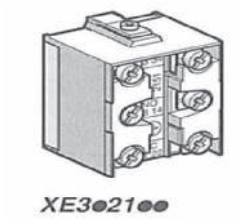
OsiSense XC Standard

Compact design, metal, type XCK D or plastic, types XCK P and XCK T

Adaptable sub-assemblies: contact blocks

unit price (excel. GST in Singapore Dollars)





Contact blocks with screw clamp terminals for XCKD and XCKP

Type of contacts	Positive operation *(1)*	Reference	Price (S$)
2-pole			
N/C+N/O snap action	♦	**XE2SP2151**	*22.50*
N/C+N/C simultaneous, snap action	♦	**XE2SP2141**	*25.70*
N/C+N/O break before make, slow break	♦	**XE2NP2151**	*25.70*
N/O+N/C make before break, slow break	♦	**XE2NP2161**	*25.70*
N/C+N/C simultaneous, slow break	♦	**XE2NP2141**	*25.70*
N/O+N/O simultaneous, slow break		**XE2NP2131**	*25.70*
3-pole			
N/C+N/O+N/O snap action	♦	**XE3SP2151**	*34.70*
N/C+N/C+N/O snap action	♦	**XE3SP2141**	*37.80*
N/C+N/C+N/O break before make, slow break	♦	**XE3NP2141**	*37.80*
N/C+N/O+N/O break before make, slow break	♦	**XE3NP2151**	*37.80*

Contact blocks with screw clamp terminals for XCKT

Type of contacts	Positive operation (1)	Reference	Price (S$)
2-pole			
N/C+N/O snap action	♦	**XE2SP3151**	*23.50*
N/C+N/O break before make, slow break	♦	**XE2NP3151**	*26.50*
N/O+N/C make before break, slow break	♦	**XE2NP3161**	*26.50*
N/C+N/C simultaneous, slow break	♦	**XE2NP3141**	*26.50*
N/O+N/O simultaneous, slow break		**XE2NP3131**	*26.50*

(1) ♦ : bodies with contacts assuring positive opening operation

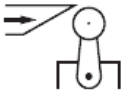
Limit switches

OsiSense XC Standard

Compact design, plastic, with reset, type XCPR

Complete switches with 1 cable entry

unit price (excl. GST in Singapore Dollars)

Type of head	**Plunger (fixing by the body)**				**Rotary (fixing by the body)**	
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger hosizontal actuation in 1 direction	Thermoplastic roller lever plunger vertical actuation in 1 direction	Thermoplastic roller lever	Steel roller lever
References of complete switches with 1 ISO M20 x 1.5 cable entry						
2-pole N/C + N/O **snap action** (XE2S P2151)	**XCPR2110P20** *$56.10*	**XCPR2102P20** *$67.30*	**XCPR2121P20** *$68.30*	**XCPR2127P20** *$68.30*	**XCPR2118P20** *$62.20*	**XCPR2119P20** *$70.40*
2-pole N/C + N/O **break before make** slow break (XE2N P2151)	**XCPR2510P20** *$65.30*	**XCPR2502P20** *$77.50*	**XCPR2521P20** *$80.60*	**XCPR2527P20** *$80.60*	**XCPR2518P20** *$73.40*	**XCPR2519P20** *$82.60*
References of complete switches with 1 pg 13.5 cable entry						
2-pole N/C + N/O **snap action** (XE2S P2151)	**XCPR2110G13** *$56.10*	**XCPR2102G13** *$67.30*	**XCPR2121G13** *$68.30*	**XCPR2127G13** *$68.30*	**XCPR2118G13** *$62.20*	**XCPR2119G13** *$70.40*
2-pole N/C + N/O **break before make** slow break (XE2N P2151)	**XCPR2510G13** *$65.30*	**XCPR2502G13** *$77.50*	**XCPR2521G13** *$80.60*	**XCPR2527G13** *$80.60*	**XCPR2518G13** *$73.40*	**XCPR2519G13** *$82.60*
Characteristics						
Switch actuation	On end	By 30° cam				
Type of actuation						
Max. actuation speed	0.5m/s		1 m/s		1.5 m/s	
Min. force or torque						
For tripping	15N	12N	6N		0.1 N.m	
For positive opening	45N	36N	18N		0.25 N.m	
Cable entry	1 entry tapped M20 x 1.5mm for ISO cable gland, clamping capacity 7 to 13mm, or 1 entry tapped Pg 13.5 for cable gland, clamping capacity 9 to 12mm, or					

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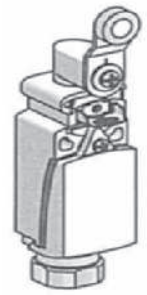
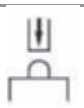
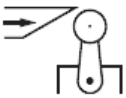
Limit switches

OsiSense XC Standard

Compact design, metal, with reset, type XCDR

Complete switches with 1 cable entry

unit price (excl. GST in Singapore Dollars)

Type of head	**Plunger (fixing by the body)**				**Rotary (fixing by the body)**	
						
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever plunger hosizontal actuation in 1 direction	Thermoplastic roller lever plunger vertical actuation in 1 direction	Thermoplastic roller lever	Steel roller lever
References of complete switches with 1 ISO M20 x 1.5 cable entry						
2-pole N/C + N/O **snap action** (XE2S P2151)	**XCDR2110P20** *$62.20*	**XCDR2102P20** *$74.50*	**XCDR2121P20** *$76.50*	**XCDR2127P20** *$76.50*	**XCDR2118P20** *$70.40*	**XCDR2119P20** *$77.50*
2-pole N/C + N/O **break before make** slow break (XE2N P2151)	**XCDR2510P20** *$73.40*	**XCDR2502P20** *$86.70*	**XCDR2521P20** *$90.80*	**XCDR2527P20** *$90.80*	**XCDR2518P20** *$82.60*	**XCDR2519P20** *$91.80*
References of complete switches with 1 pg 13.5 cable entry						
2-pole N/C + N/O **snap action** (XE2S P2151)	**XCDR2110G13** *$62.20*	**XCDR2102G13** *$74.50*	**XCDR2121G13** *$76.50*	**XCDR2127G13** *$76.50*	**XCDR2118G13** *$70.40*	**XCDR2119G13** *$77.50*
2-pole N/C + N/O **break before make** slow break (XE2N P2151)	**XCDR2510G13** *$73.40*	**XCDR2502G13** *$86.70*	**XCDR2521G13** *$90.80*	**XCDR2527G13** *$90.80*	**XCDR2518G13** *$82.60*	**XCDR2519G13** *$91.80*
Characteristics						
Switch actuation	On end	By 30° cam				
Type of actuation						
Max. actuation speed	0.5m/s		1 m/s		1.5 m/s	
Min. force or torque						
For tripping	15N	12N	6N		0.1 N.m	
For positive opening	45N	36N	18N		0.25 N.m	
Cable entry	1 entry tapped M20 x 1.5mm for ISO cable gland, clamping capacity 7 to 13mm, or 1 entry tapped Pg 13.5 for cable gland, clamping capacity 9 to 12mm, or					

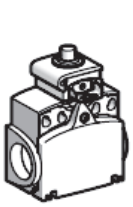
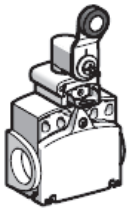
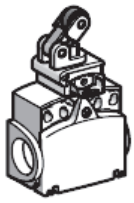
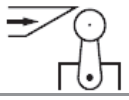
Limit switches

OsiSense XC Standard

Compact design, plastic, with reset, type XCTR

Complete switches with 2 cable entries

unit price (excl. GST in Singapore Dollars)

Type of head	**Plunger (fixing by the body)**			
				
Type of operator	Metal end plunger	Steel roller plunger	Thermoplastic roller lever	Thermoplastic roller lever plunger hosizontal actuation in 1 direction
References of complete switches with 2 ISO M16 x 1.5 cable entries				
2-pole N/C + N/O **snap action** (XE2S P3151)	**XCTR2110P16** *$56.10*	**XCTR2102P16** *$67.30*	**XCTR2118P16** *$62.20*	**XCTR2121P16** *$68.70*
2-pole N/C + N/O **break before make** slow break (XE2N P3151)	**XCTR2510P16** *$65.30*	**XCTR2502P16** *$77.50*	**XCTR2518P16** *$73.80*	**XCTR2521P16** *$80.60*
References of complete switches with 2 pg 11 cable entries				
2-pole N/C + N/O **snap action** (XE2S P3151)	**XCTR2110G11** *$56.10*	**XCTR2102G11** *$67.30*	**XCTR2118G11** *$62.20*	**XCTR2121G11** *$68.70*
2-pole N/C + N/O **break before make** slow break (XE2N P3151)	**XCTR2510G11** *$65.30*	**XCTR2502G11** *$77.50*	**XCTR2518G11** *$73.80*	**XCTR2521G11** *$80.60*
Characteristics				
Switch actuation	On end	By 30° cam		
Type of actuation				
Max. actuation speed	0.5m/s		1.5 m/s	1 m/s
Min. force or torque				
For tripping	15N	12N	0.1 N.m	6N
For positive opening	45N	36N	0.25 N.m	18N
Cable entry	2 entries tapped M16 x 1.5mm for ISO cable gland, clamping capacity 4 to 8mm, or 2 entries tapped Pg 11 for cable gland, clamping capacity 7 to 10mm, or			

Life Is On Schneider Electric

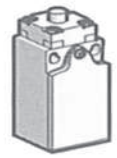
Limit switches

OsiSense XC Basic

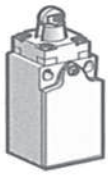
Compact design, plastic, type XCK N

Complete switches with 1 cable entry

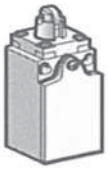
unit price (excel. GST in Singapore Dollars)



XCKN2110P20

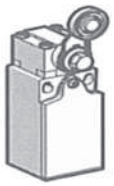


XCKN2102P20



XCKN2103P20

XCKN2127P20



XCKN2118P20

XCKN2121P20

XCKN2149P20

XCKN2108P20

XCKN2106P20

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action	**Plunger** (fixing by the body) *(1)*	On end	Metal end plunger	**XCKN2110P20**	*31.70*
		By 30° cam	Steel roller plunger for lateral cam approach	**XCKN2102P20**	*41.90*
			Steel roller plunger for traverse cam approach	**XCKN2103P20**	*41.90*
			Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKN2121P20**	*39.80*
			Thermoplastic roller lever plunger, vertical actuation in 1 direction	**XCKN2127P20**	*39.80*
	Rotary (fixing by the body) *(1)*	By 30° cam	Thermoplastic roller lever	**XCKN2118P20**	*38.80*
			Variable length thermoplastic roller lever	**XCKN2145P20**	*55.10*
			Variable length thermoplastic roller lever Ø 50mm	**XCKN2149P20**	*98.90*
	Multi-directional	By any moving part	Spring lever	**XCKN2108P20**	*56.10*
			"Cat's whisker" *(2)*	**XCKN2106P20**	*51.30*

(1) N/C contact with positive opening operation.

(2) Value taken with actuation by moving part at 100mm from the fixings.

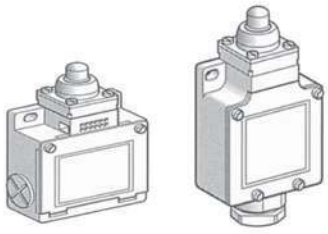
Limit switches

OsiSense XC Standard, Classic format

Metal, type XCK M, XCK L, XCK ML

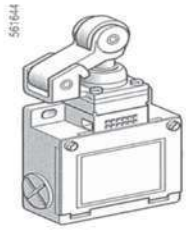
Complete switches with cable gland

unit price (excel. GST in Singapore Dollars)

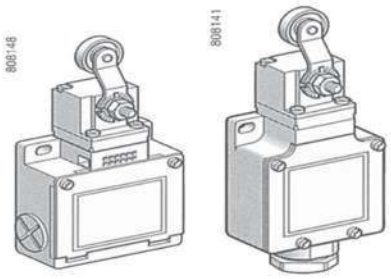


XCKM
Metal end plunger

XCKL

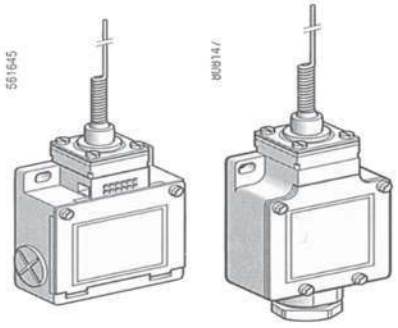


XCKM
Thermoplastic roller lever plunger, horizontal actuation in 1 direction



XCKM
Thermoplastic roller lever

XCKL



XCKM

XCKL

XCKM

Complete switches with 1 entry tapped for Pg 11 cable gland *(*)*

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	Plunger (fixing by the body) *(1)*	On end	Metal end plunger	**XCKM110**	*45.90*
		By 30° cam	Steel roller plunger	**XCKM102**	*59.20*
			Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKM121**	*56.10*
	Rotary *(1)* (fixing by the body)	By 30° cam	Thermoplastic roller lever *(2)*	**XCKM115**	*52.10*
	Multi-directional (fixing by the body)	By any moving part	"Cat's whisker" *(3)*	**XCKM106**	*55.10*

(*) For 3 entries tapped ISO M20 x 1.5 cable entries, add suffix H29. Example XCKM110 becomes XCKM110H29. Price is the same.

XCKL

Complete switches incorporating cable gland

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	Plunger (fixing by the body) *(1)*	On end	Metal end plunger	**XCKL110**	*97.90*
		By 30° cam	Steel roller plunger	**XCKL102**	*118.30*
			Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKL121**	*120.40*
	Rotary *(1)* (fixing by the body)	By 30° cam	Thermoplastic roller lever *(2)*	**XCKL115**	*108.10*
	Multi-directional (fixing by the body)	By any moving part	"Cat's whisker" *(3)*	**XCKL106**	*121.40*

XCKML 2 x 2-pole contacts

Complete switches with 3 entries tapped for Pg 13 cable gland *(*)*

Contacts	Type of head	Switch actuation	Type of operator	Reference	Price (S$)
2 x 2-pole N/C+N/O snap action *(XESP2151L)* *(1)*	Plunger (fixing by the body)	On end	Metal end plunger	**XCKML110**	*146.90*
		By 30° cam	Steel roller plunger	**XCKML102**	*168.10*
			Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKML121**	*168.30*
	Rotary *(1)* (fixing by the body)	By 30° cam	Thermoplastic roller lever *(2)*	**XCKML115**	*156.10*
2 x 2-pole N/C+N/O break before make, slow break *(XENP2151L)* *(1)*	Plunger (fixing by the body)	On end	Metal end plunger	**XCKML510**	*155.00*
		By 30° cam	Steel roller plunger	**XCKML502**	*175.40*
			Thermoplastic roller lever plunger, horizontal actuation in 1 direction	**XCKML521**	*176.50*
	Rotary *(1)* (fixing by the body)	By 30° cam	Thermoplastic roller lever *(2)*	**XCKML515**	*164.20*

(*) For 3 entries tapped ISO M20 x 1.5 cable entries, add suffix H29. Example XCKML110 becomes XCKML110H29. Price is the same.

(1) N/C contact with positive opening operation

(2) Adjustable throughout 360° in 5° steps, or in 90° steps by reversing the notched washer.

(3) Value taken with actuator operating at 100mm from the fixing.

Life Is On Schneider Electric

Limit switches

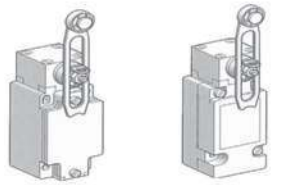
OsiSense XC Standard, Industrial format EN 50041

Plastic, double insulated, type XCK S. Metal, type XCK J

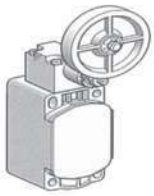
Conforming to CENELEC EN 50041

Complete switches with n° 13 cable entry

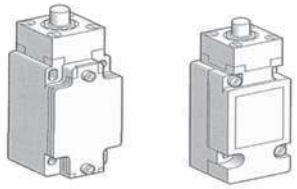
unit price (excel. GST in Singapore Dollars)



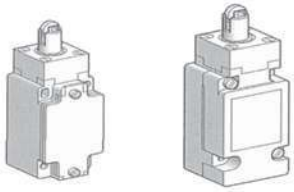
Fixed Plug-in
Variable length thermoplastic roller lever



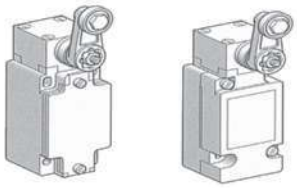
Elastomer roller lever, diameter 50mm



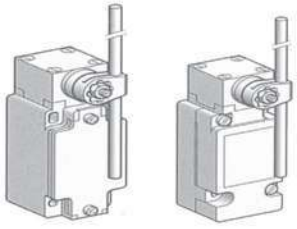
Fixed Plug-in
Metal end plunger



Fixed Plug-in
Steel end plunger



Fixed Plug-in
Thermoplastic roller lever



Fixed Plug-in
Round thermoplastic rod lever, diameter 6mm

Plastic, double insulated, type XCKS *(*)*

Contacts	Type of head	Form EN 50041	Switch actuation	Type of operator		Reference	Price (S$)
2-pole N/C+N/O snap action *(XE2SP2151)*	Plunger (fixing by the body)	B	On end	Metal end plunger	*(1)*	**XCKS101**	*50.30*
		C	By 30° cam	Steel roller plunger	*(1)*	**XCKS102**	*62.20*
	Rotary (fixing by the body)	A	By 30° cam	Thermoplastic roller lever *(5)*	*(1)*	**XCKS131**	*69.70*
				Elastomer roller lever Ø 50mm *(5)*		**XCKS139**	*109.10*
				Variable length thermoplastic roller lever *(5)*		**XCKS141**	*79.00*
				Variable length elastomer roller lever, Ø 50mm *(5)*		**XCKS149**	*61.50*
		D	By any moving part	Round thermoplastic rod lever Ø 6mm *(3) (4)*		**XCKS159**	*79.60*

Metal, type XCKJ *(*)*

Contacts	Type of head	Form EN 50041	Switch actuation	Type of operator		Reference	Price (S$)
Fixed body							
2-pole N/C+N/O snap action *(XE2SP2151)*	Plunger (fixing by the body)	B	On end	Metal end plunger	*(1)*	**XCKJ161**	*80.60*
		C	By 30° cam	Steel roller plunger	*(1)*	**XCKJ167**	*88.80*
	Rotary (fixing by the body) *(2)*	A	By 30° cam	Thermoplastic roller lever *(3)*	*(1)*	**XCKJ10511**	*89.80*
				Steel roller lever *(3)*	*(1)*	**XCKJ10513**	*104.10*
				Variable length thermoplastic roller lever *(3)*		**XCKJ10541**	*89.80*
		D	By any moving part	Round thermoplastic rod lever Ø 6mm *(3) (4)*		**XCKJ10559**	*95.90*
Plug-in body							
Single pole C/O snap action	Plunger (fixing by the body)	B	On end	Metal end plunger		**XCKJ1161**	*84.70*
		C	By 30° cam	Steel roller plunger		**XCKJ1167**	*93.80*
	Rotary (fixing by the body)	A	By 30° cam	Thermoplastic roller lever *(3)*		**XCKJ110511**	*98.90*
				Steel roller lever *(3)*		**XCKJ110513**	*109.10*
				Variable length thermoplastic roller lever *(3)*		**XCKJ110541**	*131.00*
		D	By any moving part	Round thermoplastic rod lever Ø 6mm *(3) (4)*		**XCKJ110559**	*100.00*

(*) For 1 entry ISO M20 x 1.5 cable entries, add suffix H29. Example XCKJ110 becomes XCKJ110H29. Price is the same.

(*) For 1 entry ISO M20 x 1.5 cable entries, add suffix H29. Example XCKS101 becomes XCKS101H29. Price is the same.

(1) N/C contact with positive opening operation.

(2) Switches supplied for actuation from left AND right.

(3) Adjustable throughout 360° in 5° steps, or in 45° steps by reversing the lever mounting or clamp.

(4) Value taken with actuator operating at 100mm from the fixing.

(5) Adjustable throughout 360° in 5° steps, or in 90° steps by reversing the lever mounting.

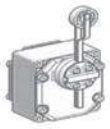
Limit switches

OsiSense XC Special

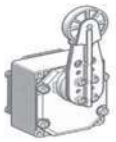
For hoisting and material handling applications,
type XCR, complete switches with 1 cable entry
type XCK MR, complete switches with 3 cable entries

unit price (excel. GST in Singapore Dollars)

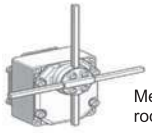
Metal rod



Thermoplastic roller lever



Large thermoplastic roller level



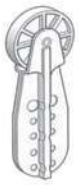
Metal cross or "T" rod

XCR complete units with 1 cable entry

Contacts		Type of haed	Max. displacement	Type of operator	Reference	Price (S$)
2 x 2-pole 1 N/C+1 N/O snap action *(XE2SP2151)* *(1)*	Both contacts operates in each direction	Rotary with spring return to off position	55° in each direction	Metal rod ⌀ 6mm	**XCRA11**	*280.50*
				Thermoplastic roller lever	**XCRA12**	*377.40*
				Large thermoplastic roller lever	**XCRA15**	*317.80*
		Stay put	90° in each direction	Metal crossed rod ⌀ 6mm	**XCRE18**	*260.40*
	1 contact operates in each direction	Rotary with spring return to off position	55° in each direction	Metal rod ⌀ 6mm	**XCRB11**	*280.50*
				Thermoplastic roller lever	**XCRB12**	*377.40*
				Large thermoplastic roller lever	**XCRB15**	*317.80*
		Stay put	90° in each direction	Metal "T" rod ⌀ 6mm	**XCRF17**	*260.40*
2 x 2-pole 1 N/C+1 N/O break before make *(XE2NP2151)* slow break *(1)*	Both contacts operates in each direction	Rotary with spring return to off position	55° in each direction	Metal rod ⌀ 6mm	**XCRA51**	*359.00*
				Thermoplastic roller lever	**XCRA52**	*389.60*
				Large thermoplastic roller lever	**XCRA55**	*401.90*
		Stay put	90° in each direction	Metal crossed rod ⌀6mm	**XCRE58**	*359.00*
	1 contact operates in each direction	Rotary with spring return to off position	55° in each direction	Metal rod ⌀ 6mm	**XCRB51**	*359.00*
				Thermoplastic roller lever	**XCRB52**	*389.60*
				Large thermoplastic roller lever	**XCRB55**	*401.90*
		Stay put	90° in each direction	Metal "T" rod ⌀ 6mm	**XCRF57**	*359.00*

(1) N/C contact with positive opening operation.

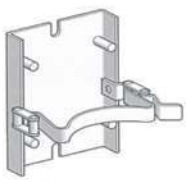
XCR Z02



XCR Z05

Accessories and spare parts

Description	For switch	Type	Reference	Price (S$)
Rod ⌀ 6mm	XCRA	L= 200 mm	**XCRZ03**	*7.20*
Roller lever thermoplastic roller	XCRA XCRB		**XCRZ02**	*36.90*
Large roller lever thermoplastic roller	XCRA XCRB		**XCRZ05**	*56.10*
Quick fixing/ release bracket	XCRA, XCRB XCRE, XCRF		**XCRZ09**	*120.40*
Contact block (2 contact) with mounting plate	XCRA, XCRB XCRE, XCRF	2-pole N/C + N/O snap action	**XCRZ12**	*137.70*
		2-pole N/C + N/O break before make, snap action	**XCRZ15**	*141.80*



XCR Z09

XCR Z1●

XCK MR complete units with 3 cable entries

Contacts	Type of head	Type of operator	Reference	Price (S$)
Switches with 3 cable entries ISO M20 x 1.5				
2 x 2-pole N/C+N/C staggered,, slow break (non interchangeable contacts)	Angular	with cruciform metal rods	**XCKMR54D1H29**	*513.10*
		with cruciform metal rods, reversed head	**XCKMR54D2H29**	*564.80*
Switches with 3 cable entries for N°13 cable gland				
2 x 2-pole N/C+N/C staggered,, slow break (non interchangeable contacts)	Angular	with cruciform metal rods	**XCKMR54D1**	*513.10*
		with cruciform metal rods, reversed head	**XCKMR54D2**	*564.80*

(1) N/C contact with positive opening operation.

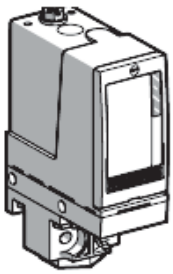
Life Is On Schneider Electric

Electromechanical pressure switches

OsiSense XM, type XML

Size 2.5 bar (36.25 psi) to 35 bar (507.5 psi)
Fixed differential, for detection of a single threshold
Switches with 1 CO single-pole contact

unit price (excel. GST in Singapore Dollars)



With setting scale, fluid connection G 1/4" BSP
1 entry tapped for nº13 cable gland

Adjustable range of switching point (PH)	Natural differential (subtract from PH to give PB)	Maximum permissible pressure	Fluids controlled	Reference	Price (S$)
bar (psi)	**bar (psi)**	**bar (psi)**			
0.15…2.5 (2.17…36.25)	0.13 (1.88) *(1)*	9 (130.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLA002A2S11**	*220.40*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLA002B2S11**	*274.70*
			Corrosive fluids, up to + 160 °C	**XMLA002C2S11**	*274.70*
0.4…4 (5.8…58)	0.35 (5.07) *(1)*	9 (130.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLA004A2S11**	*220.40*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLA004B2S11**	*274.70*
			Corrosive fluids, up to + 160 °C	**XMLA004C2S11**	*274.70*
0.6…10 (8.7…145)	0.5 (7.25) *(2)*	22.5 (326.25)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLA010A2S11**	*220.40*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLA010B2S11**	*274.70*
			Corrosive fluids, up to + 160 °C	**XMLA010C2S11**	*274.70*
1…20 (14.5…290)	0.4 Low, 1 High (5.8 Low, 14.5 High) *(3)*	45 (652.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLA020A2S11**	*220.40*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLA020B2S11**	*274.70*
			Corrosive fluids, up to + 160 °C	**XMLA020C2S11**	*274.70*
1.5…35 (21.75…507.5)	1.25 (18.12) *(4)*	80 (1160)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLA035A2S11**	*220.40*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLA035B2S11**	*274.70*
			Corrosive fluids, up to + 160 °C	**XMLA035C2S11**	*274.70*
5…70 (72.5…1015)	3 Low, 7.5 High (43.5 Low, 108.75 High) *(5)*	160 (2320)	Hydraulic oils, up to+160 °C	**XMLA070D2S11**	*241.90*
			Fresh water, sea water, up to +160 °C	**XMLA070E2S11**	*289.10*
			Corrosive fluids, air, up to + 160 °C	**XMLA070N2S11**	*289.10*
10…160 (145…2320)	5.5 Low *(5)*, 18 High *(6)* (79.75 Low, *261 high)*	360 (5220)	Hydraulic oils, up to+160 °C	**XMLA160D2S11**	*241.90*
			Fresh water, sea water, up to +160 °C	**XMLA160E2S11**	*289.10*
			Corrosive fluids, air, up to + 160 °C	**XMLA160N2S11**	*289.10*
20…300 (290…4350)	16.5 Low *(6)* 35 High *(7)* (239.25 Low, *507.5 High)*	675 (9787.5)	Hydraulic oils, up to+160 °C	**XMLA300D2S11**	*241.90*
			Fresh water, sea water, up to +160 °C	**XMLA300E2S11**	*289.10*
			Corrosive fluids, air, up to + 160 °C	**XMLA300N2S11**	*289.10*
30…500 (435…7250)	20 Low *(7)* 45 High *(8)* (290 Low, *652.5 High)*	1125 (16 312.5)	Hydraulic oils, up to+160 °C	**XMLA500D2S11**	*241.90*
			Fresh water, sea water, up to +160 °C	**XMLA500E2S11**	*289.10*
			Corrosive fluids, air, up to + 160 °C	**XMLA500N2S11**	*289.10*

(1) Deviation of the differential at high and low setting points for switches of the same size: ± 0.03 bar (± 0.43 psi).
(2) Deviation of the differential at high and low setting points for switches of the same size: ± 0.05 bar (± 0.72 psi).
(3) Deviation of the differential at high setting points for switches of the same size: ±0.1 bar (±1.45psi).
Deviation of the differential at low setting points for switches of the same size: ±0.2 bar (±2.9psi).
(4) Deviation of the differential at high and low setting points for switches of the same size: ±0.25 bar (±3.62 psi).
(5) Deviation of the differential at high and low setting points for switches of the same size: ±1 bar (±14.5 psi).
(6) Deviation of the differential at high and low setting point for switches of the same size: ±3 bar (±43.5 psi).
(7) Deviation of the differential at high and low setting point for switches of the same size: ±6 bar (±87psi).
(8) Deviation of the differential at high setting point for switches of the same size: ±10 bar (±145 psi).

Electromechanical pressure switches

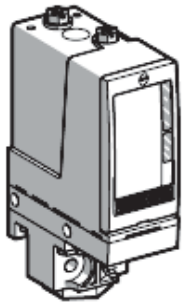
OsiSense XM, type XML

Size 2.5 bar (36.25 psi) to 35 bar (507.5 psi)

Adjustable differential, for regulation between 2 thresholds

Switches with 1 CO single-pole contact

unit price (excel. GST in Singapore Dollars)



With setting scale, fluid connection G 1/4 (female)
1 entry tapped for n°13 cable gland

Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Maximum permissible pressure	Fluids controlled	Reference	Price (S$)
bar (psi)	**bar (psi)**	**bar (psi)**			
0.3…2.5 (4.35…36.25)	0.16 Low, 0.21 High (2.32 Low, 3.04 High) *(1)*	9 (130.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLB002A2S11**	*307.50*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLB002B2S11**	*427.50*
			Corrosive fluids, up to + 160 °C	**XMLB002C2S11**	*427.50*
0.25…4 (3.62…58)	0.2 Low *(2)* 0.25 High *(3)* (2.9 Low, 3.62 High)	9 (130.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLB004A2S11**	*307.50*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLB004B2S11**	*427.50*
			Corrosive fluids, up to + 160 °C	**XMLB004C2S11**	*427.50*
0.7…10 (10.15…145)	0.57 Low *(4)* 0.85 High *(5)* (8.26 Low, 12.32 High)	22.5 (326.25)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLB010A2S11**	*307.50*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLB010B2S11**	*427.50*
			Corrosive fluids, up to + 160 °C	**XMLB010C2S11**	*427.50*
1.3…20 (18.9…290)	1 Low *(6)* 1.6 High *(6)* (14.5 Low, 23.2 High) *(6)*	45 (652.5)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLB020A2S11**	*307.50*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLB020B2S11**	*427.50*
			Corrosive fluids, up to + 160 °C	**XMLB020C2S11**	*427.50*
3.5…35 (50.75…507.5)	1.7 Low *(7)* 2.55 High *(7)* (24.65 Low, 36.97 High) *(7)*	80 (1160)	Hydraulic oils, fresh water, sea water, air, up to + 70 °C	**XMLB035A2S11**	*307.50*
			Hydraulic oils, fresh water, sea water, air, up to + 160 °C	**XMLB035B2S11**	*427.50*
			Corrosive fluids, up to + 160 °C	**XMLB035C2S11**	*427.50*

(1) Deviation of the differential at high and low setting points for switches of the same size:
- 0.03 bar, + 0.05 bar (- 0.43 psi, + 0.72 psi).
(2) Deviation of the differential at low setting point for switches of the same size: ± 0.01 bar (± 0.14 psi).
(3) Deviation of the differential at high setting point for switches of the same size:
- 0.03 bar, + 0.05 bar (- 0.43 psi, + 0.72 psi).
(4) Deviation of the differential at low setting point for switches of the same size: ± 0.05 bar (± 0.72 psi).
(5) Deviation of the differential at high setting point for switches of the same size:
- 0.1 bar, + 0.15 bar (- 1.45 psi, + 2.17 psi).
(6) Deviation of the differential at high and low setting points for switches of the same size: ±0.25bar (±3.63 psi).
(7) Deviation of the differential at high and low setting points for switches of the same size:
-0.5 bar, +0.7 bar (-7.25 psi, +10.15 psi).

Life Is On Schneider Electric

Electromechanical pressure switches

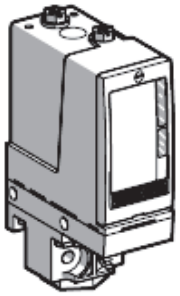
OsiSense XM, type XML

Size 70 bar (1015 psi) to 500 bar (7250 psi)

Adjustable differential, for regulation between 2 thresholds

Switches with 1 CO single-pole contact

unit price (excel. GST in Singapore Dollars)



With setting scale, fluid connection G 1/4 (female)
1 entry tapped for n°13 cable gland

Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Maximum permissible pressure	Fluids controlled	Reference	Price (S$)
bar (psi)	**bar (psi)**	**bar (psi)**			
7…70 (101.5…1015)	4.7 Low *(1)*, 8.8 High *(2)* (68.15 Low, 127.6 High)	160 (2320)	Hydraulic oils, up to+160 °C	**XMLB070D2S11**	*330.10*
			Fresh water, sea water, up to +160 °C	**XMLB070E2S11**	*425.30*
			Corrosive fluids, air, up to + 160 °C	**XMLB070N2S11**	*425.30*
10…160 (145…2320)	9.3 Low *(3)*, 20.8 High *(4)* (134.85 Low, 301.6 High)	360 (5220)	Hydraulic oils, up to+160 °C	**XMLB160D2S11**	*330.10*
			Fresh water, sea water, up to +160 °C	**XMLB160E2S11**	*425.30*
			Corrosive fluids, air, up to + 160 °C	**XMLB160N2S11**	*425.30*
22…300 (319…4350)	19.4 Low *(5)*, 37 High *(6)* (281.3 Low, 536.5 High)	675 (9787.5)	Hydraulic oils, up to+160 °C	**XMLB300D2S11**	*330.10*
			Fresh water, sea water, up to +160 °C	**XMLB300E2S11**	*425.30*
			Corrosive fluids, air, up to + 160 °C	**XMLB300N2S11**	*425.30*
30…500 (435…7250)	23 Low *(7)*, 52.6 High *(8)* (333.5 Low, 762.7 High)		Hydraulic oils, up to+160 °C	**XMLB500D2S11**	*330.10*
			Fresh water, sea water, up to +160 °C	**XMLB500E2S11**	*425.30*
			Corrosive fluids, air, up to + 160 °C	**XMLB500N2S11**	*425.30*

(1) Deviation of the differential at low setting point for switches of the same size: -0.4bar, +0.7bar (-5.8psi, +10.15psi).
(2) Deviation of the differential at high setting point for switches of the same size: -0.6bar, +0.8bar (-8.7psi, +11.6psi).
(3) Deviation of the differential at low setting point for switches of the same size: -1.8bar, +1.5bar (-26.1psi, +21.75psi).
(4) Deviation of the differential at high setting point for switches of the same size: -1.9bar, +1.6bar (-27.55psi, +23.2psi).
(5) Deviation of the differential at low setting point for switches of the same size:
- 1.5 bar, + 1.7 bar (- 21.75 psi, + 24.65 psi).
(6) Deviation of the differential at high setting point for switches of the same size: - 1 bar, + 4 bar (- 14.5 psi, + 58 psi).
(7) Deviation of the differential at low setting point for switches of the same size: - 2.6 bar, + 3.8 bar (- 37.7 psi, + 55.1 psi).
(8) Deviation of the differential at high setting point for switches of the same size:
- 14.8 bar, + 11.2 bar (- 214.6 psi, + 162.4 psi).

Electromechanical pressure switches

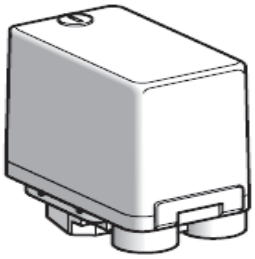
OsiSense XM

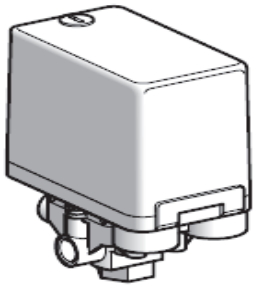
For control circuits, type XMX

Sizes 6 to 25 bar (87 to 362.5 psi)

Switches with 1 CO single-pole contact

unit price (excel. GST in Singapore Dollars)





Fluid connection G 1/4 (BSP female)
2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)

Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Maximum permissible pressure	Fluids controlled	Reference	Price (S$)
bar (psi)	**bar (psi)**	**bar (psi)**			
1…6 (14.5…87)	0.8 Low, 1.2 High (11.6 Low, 17.4 High)	13.5 (195.7)	Air, fresh water, sea water	**XMXA06L2135**	*124.40*
1.3…12 (18.85…174)	1 Low, 1.7 High (14.5 Low, 24.6 High)	27 (391.5)		**XMXA12L2135**	*124.40*
3.5…25 (50.75…362.5)	3.4 Low, 4.5 High (49.3 Low, 65.2 High)	56.25 (815.6)		**XMXA25L2135**	*168.30*

Fluid connection 4 xG 1/4 (BSP female)
2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)

Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Maximum permissible pressure	Fluids controlled	Reference	Price (S$)
bar (psi)	**bar (psi)**	**bar (psi)**			
1…6 (14.5…87)	0.8 Low, 1.2 High (11.6 Low, 17.4 High)	13.5 (195.7)	Air, fresh water, sea water	**XMXA06L2435**	*143.80*
1.3…12 (18.85…174)	1 Low, 1.7 High (14.5 Low, 24.6 High)	27 (391.5)		**XMXA12L2435**	*143.80*
3.5…25 (50.75…362.5)	3.4 Low, 4.5 High (49.3 Low, 65.2 High)	56.25 (815.6)		**XMXA25L2435**	*183.60*

Life Is On Schneider Electric

Electromechanical pressure switches

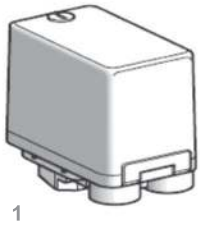
OsiSense XM, Type XMP, IP 54

Size 6 bar (87 psi)

Adjustable differential, for regulation between 2 thresholds

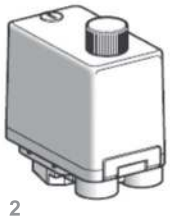
Switches with 2-pole 2 NC or 3-pole 3 NC contact

unit price (excel. GST in Singapore Dollars)



1

Bare case



2

Case with On/Off knob

Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Switch	Case	Reference	Price (S$)
bar (psi)	bar (psi)				
Fluid connection G 1/4 (BSP female) 2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)					
Type of contact 2-pole 2 N/C					
1…6 (14.5…87)	0.8 Low, 1.2 High (11.6 Low, 17.4 High)	without decompression valve	Bare case	**XMPA06B2131**	*51.30*
			Case with On/Off knob	**XMPC06B2131**	*60.20*
		with straight decompression valve, instant connection	Bare case	**XMPD06B2131**	*62.20*
			Case with On/Off knob	**XMPE06B2131**	*68.30*
1.3…12 (18.85…174)	1 Low, 1.7 High (14.5 Low, 24.6 High)	without decompression valve	Bare case	**XMPA12B2131**	*51.30*
			Case with On/Off knob	**XMPC12B2131**	*60.20*
		with straight decompression valve, instant connection	Bare case	**XMPD12B2131**	*62.20*
			Case with On/Off knob	**XMPE12B2131**	*68.30*

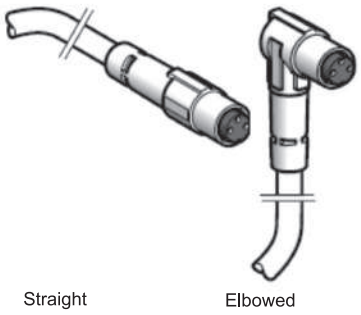
Adjustable range of switching point (PH)	Possible differential (subtract from PH to give PB)	Switch	Case	Reference	Price (S$)
bar (psi)	bar (psi)				
Fluid connection G 3/8 (BSP female) 2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)					
Type of contact 2-pole 2 N/C					
1…6 (14.5…87)	0.8 Low, 1.2 High (11.6 Low, 17.4 High)	without decompression valve	Bare case	**XMPA06B2242**	*61.50*
			Case with On/Off knob	**XMPC06B2242**	*67.30*
		with straight decompression valve, instant connection	Bare case	**XMPD06B2242**	*69.40*
			Case with On/Off knob	**XMPE06B2242**	*72.80*
1.3…12 (18.85…174)	1 Low, 1.7 High (14.5 Low, 24.6 High)	without decompression valve	Bare case	**XMPA12B2242**	*61.50*
			Case with On/Off knob	**XMPC12B2242**	*67.30*
		with straight decompression valve, instant connection	Bare case	**XMPD12B2242**	*69.40*
			Case with On/Off knob	**XMPE12B2242**	*72.80*
Type of contact 3-pole 3 N/C					
1…6 (14.5…87)	0.8 Low, 1.2 High (11.6 Low, 17.4 High)	without decompression valve	Bare case	**XMPA06C2242**	*63.60*
			Case with On/Off knob	**XMPC06C2242**	*73.40*
		with straight decompression valve, instant connection	Bare case	**XMPD06C2242**	*75.50*
			Case with On/Off knob	**XMPE06C2242**	*79.60*
1.3…12 (18.85…174)	1 Low, 1.7 High (14.5 Low, 24.6 High)	without decompression valve	Bare case	**XMPA12C2242**	*63.60*
			Case with On/Off knob	**XMPC12C2242**	*73.40*
		with straight decompression valve, instant connection	Bare case	**XMPD12C2242**	*75.50*
			Case with On/Off knob	**XMPE12C2242**	*79.60*

Machine cabling accessories

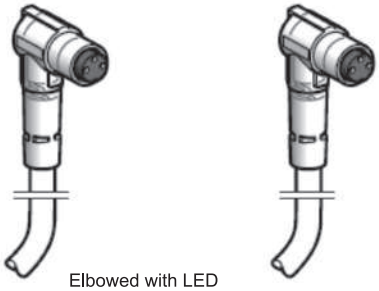
OsiSense XZ

Pre-wired connectors, Ø 8 mm and M8

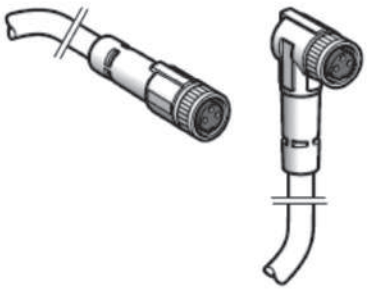
unit price (excel. GST in Singapore Dollars)



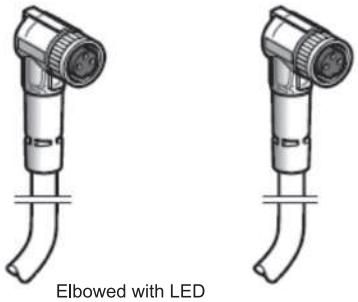
Straight Elbowed



Elbowed with LED



Straight Elbowed



Elbowed with LED

Clip (clip together connectors, without clamping ring.)

Female, Ø8 mm

Connector type	Nos. of contacts	LED signalling	Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø4.2 mm cable, conductor c.s.a. : 3x 0.22 mm^2							
Straight	3	-	60Vac, 75Vdc	2	2	**XZCP0166L2**	*30.80*
					5	**XZCP0166L5**	*40.80*
					10	**XZCP0166L10**	*59.20*
Elbowed	3	-	60Vac, 75Vdc	2	2	**XZCP0266L2**	*30.80*
					5	**XZCP0266L5**	*40.80*
					10	**XZCP0266L10**	*59.20*
		2 PNP LEDs	10…30Vdc	2	2	**XZCP0366L2**	*48.20*
					5	**XZCP0366L5**	*59.20*
					10	**XZCP0366L10**	*76.50*
		2 NPN LEDs	10…30Vdc	2	2	**XZCP0466L2**	*48.20*
					5	**XZCP0466L5**	*59.20*
					10	**XZCP0466L10**	*76.50*

Screw threaded (metal clamping ring)

Female, M8

Connector type	Nos. of contacts	LED signalling	Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø4.2 mm cable, conductor c.s.a. : 3x 0.22 mm^2							
Straight	3	-	60Vac, 75Vdc	2	2	**XZCP0566L2**	*25.70*
					5	**XZCP0566L5**	*40.00*
					10	**XZCP0566L10**	*60.20*
Elbowed	3	-	60Vac, 75Vdc	2	2	**XZCP0666L2**	*25.70*
					5	**XZCP0666L5**	*40.00*
					10	**XZCP0666L10**	*60.20*
		2 PNP LEDs	10…30Vdc	2	2	**XZCP0766L2**	*48.20*
					5	**XZCP0766L5**	*59.20*
					10	**XZCP0766L10**	*76.50*
		2 NPN LEDs	10…30Vdc	2	2	**XZCP0866L2**	*49.00*
					5	**XZCP0866L5**	*59.20*
					10	**XZCP0866L10**	*76.50*
Cabling Ø5 mm cable, conductor c.s.a. : 4x 0.34 mm^2							
Straight	4	-	60Vac, 75Vdc	4	2	**XZCP0941L2**	*30.80*
					5	**XZCP0941L5**	*45.90*
					10	**XZCP0941L10**	*60.20*
Elbowed	4	-	60Vac, 75Vdc	4	2	**XZCP1041L2**	*30.80*
					5	**XZCP1041L5**	*45.90*
					10	**XZCP1041L10**	*60.20*

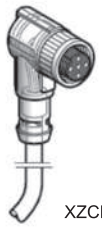
Life Is On Schneider Electric

Machine cabling accessories

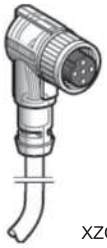
OsiSense XZ

Pre-wired connectors, M12

unit price (excel. GST in Singapore Dollars)

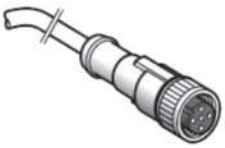


XZCP2540L2

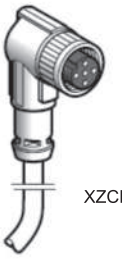


XZCP1340L2

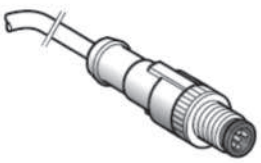
XZCP1141L2



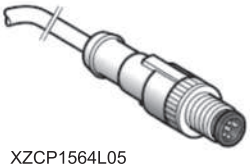
XZCP1169L2



XZCP1264L2



XZCP1541L05



XZCP1564L05

Stainlees steel clamping ring

Female, M12

Connector type	Nos. of contacts	LED signalling	Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø5 mm cable, conductor c.s.a. : 3x 0.34 mm²							
Elbowed	3	2 PNP LEDs	10…30Vdc	4	2	**XZCP2540L2**	*48.20*
					5	**XZCP2540L5**	*56.10*
					10	**XZCP2540L10**	*70.40*

Metal clamping ring

Female, M12

Connector type	Nos. of contacts	LED signalling	Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø5 mm cable, conductor c.s.a. : 3x 0.34 mm²							
Elbowed	3	2 PNP LEDs	10…30Vdc	4	2	**XZCP1340L2**	*48.20*
					5	**XZCP1340L5**	*56.10*
					10	**XZCP1340L10**	*70.40*
		2 NPN LEDs	10…30Vdc	4	2	**XZCP1440L2**	*48.20*
					5	**XZCP1440L5**	*56.10*
					10	**XZCP1440L10**	*70.40*
	4	-	250Vac, 300Vdc	4	2	**XZCP1241L2**	*33.90*
					5	**XZCP1241L5**	*43.10*
					10	**XZCP1241L10**	*58.50*
Straight	4	-	250Vac, 300Vdc	4	2	**XZCP1141L2**	*33.90*
					5	**XZCP1141L5**	*43.10*
					10	**XZCP1141L10**	*58.50*
Cabling Ø5.8 mm cable, conductor c.s.a. : 3x 0.34 mm² + 1x 0.5 mm²							
Straight	4	-	250Vac, 300Vdc	4	2	**XZCP1169L2**	*38.80*
					5	**XZCP1169L5**	*51.00*
					10	**XZCP1169L10**	*74.50*
	5	-	30Vac, 36Vdc	4	2	**XZCP1164L2**	*55.10*
					5	**XZCP1164L5**	*68.30*
					10	**XZCP1164L10**	*91.80*
Elbowed	5	-	30Vac, 36Vdc	4	2	**XZCP1264L2**	*55.10*
					5	**XZCP1264L5**	*68.30*
					10	**XZCP1264L10**	*91.80*

Metal clamping ring

Male, M12

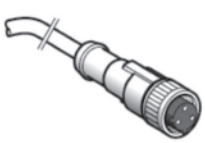
Connector type	Nos. of contacts	LED signalling	Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø5 mm cable, conductor c.s.a. : 4x 0.34 mm²							
Straight	4	-	250Vac, 300Vdc	4	0.5	**XZCP1541L05**	*37.80*
					1	**XZCP1541L1**	*38.80*
					2	**XZCP1541L2**	*43.10*
Cabling Ø5.8 mm cable, conductor c.s.a. : 4x 0.34 mm² + 1x 0.5 mm²							
Straight	5	-	30Vac, 36Vdc	4	0.5	**XZCP1564L05**	*40.00*
					1	**XZCP1564L1**	*40.80*
					2	**XZCP1564L2**	*44.90*

Machine cabling accessories

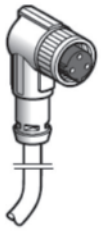
OsiSense XZ

Pre-wired connectors, 1/2"-20UNF and 7/8"-16UN

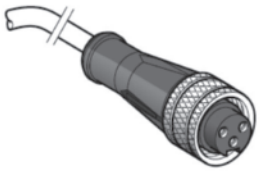
unit price (excel. GST in Singapore Dollars)



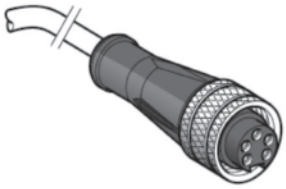
XZCP1865L2



XZCP1965L2



XZCP1662L2



XZCP1764L2

Metal clamping ring

Female, 1/2" 20UNF

Connector type	Nos. of contacts		Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø5 mm cable, conductor c.s.a. : 3x 0.34 mm²							
Straight	3		250Vac 300Vdc	4	2	**XZCP1865L2**	*40.00*
					5	**XZCP1865L5**	*49.00*
					10	**XZCP1865L10**	*65.30*
Elbowed	3		250Vac 300Vdc	4	2	**XZCP1965L2**	*40.00*
					5	**XZCP1965L5**	*49.00*
					10	**XZCP1965L10**	*65.30*

Plastic clamping ring

Female, 7/8" 16UN

Connector type	Nos. of contacts		Norminal voltage (V)	Norminal current (A)	PvR cable length (m)	Reference	Price (S$)
Cabling Ø5 mm cable, conductor c.s.a. : 3x 0.5 mm²							
Straight	3	Black, brown,	250Vac	6	2	**XZCP1662L2**	*71.80*
					5	**XZCP1662L5**	*81.60*
	3	Green, black, black/white	250Vac	6	2	**XZCP1670L2**	*71.80*
					5	**XZCP1670L5**	*81.60*
					10	**XZCP1670L10**	*101.00*
Cabling Ø5.8 mm cable, conductor c.s.a. : 4x 0.34 mm² + 1 x 0.5 mm²							
Straight	5	BK, BU, Y/G, BN, BK/WH	250Vac	4	2	**XZCP1764L2**	*92.80*
					5	**XZCP1764L5**	*107.10*
					10	**XZCP1764L10**	*130.60*
Cabling Ø6.7 mm cable, conductor c.s.a. : 5x 0.5 mm²							
Straight	5	BK, BU, Y/G, BN, BK/WH	250Vac	4	2	**XZCP1771L2**	*96.90*
					5	**XZCP1771L5**	*113.20*
					10	**XZCP1771L10**	*143.80*

Life Is On Schneider Electric

Machine Safety

Safety detection solutions

Guard switches
Metal, turret head, types XCS-A, XCS-B, XCS-C and XCS-E 5-1
Plastic, turret head, types XCS-PA, XCS-TA and XCS-TE 5-2
Plastic, double insulated, turret head, types XCS-PL, TL, PR and TR 5-3

Safety limit switches
Miniature design, metal, type XCSM 5-4

Safety dialogue solutions

Emergency stop trip wire switches
Emergency stop trip wire switches XY2C 5-5

5

Safety detection solutions

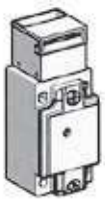
Guard switches

Metal, turret head *(1)*,

types XCS-A, XCS-B, XCS-C and XCS-E

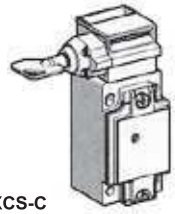
Cable entries tapped for Pg 13.5 (n°13) cable gland

unit price (excl. GST in Singapore Dollars)



XCS-A

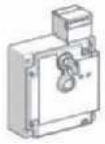
XCS-B



XCS-C

Cable entries tapped for Pg 13.5 (n°13) cable gland

Type of switch	Contacts	LED indication on opening of N/C contacts	Voltage (V)	Reference	Price(S$)
Without locking of key Θ	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	Without	-	**XCSA501**	*105.60*
		1 orange LED	24/48 Vac/dc	**XCSA511**	*131.60*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	Without	-	**XCSA701**	*107.70*
		1 orange LED	24/48 Vac/dc	**XCSA711**	*131.60*
		1 orange LED	110/240 Vac	**XCSA721**	*131.60*
	3-pole N/C + N/C + N/C slow break	Without	-	**XCSA801**	*105.60*
With locking of key, manual unlocking by pushbutton	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	Without	-	**XCSB501**	*166.10*
		1 orange LED	24/48 Vac/dc	**XCSB511**	*206.00*
		1 orange LED	110/240 Vac	**XCSB521**	*206.00*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	Without	-	**XCSB701**	*166.10*
		1 orange LED	24/48 Vac/dc	**XCSB711**	*206.00*
		1 orange LED	110/240 Vac	**XCSB721**	*206.00*
	3-pole N/C + N/C + N/C slow break	Without	-	**XCSB801**	*166.10*
With locking of key, manual unlocking by key operated Θ	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	Without	-	**XCSC501**	*166.10*
		1 orange LED	24/48 Vac/dc	**XCSC511**	*206.00*
		1 orange LED	110/240 Vac	**XCSC521**	*206.00*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	Without	-	**XCSC701**	*166.10*
		1 orange LED	24/48 Vac/dc	**XCSC711**	*206.00*
		1 orange LED	110/240 Vac	**XCSC721**	*206.00*
	3-pole N/C + N/C + N/C slow break	Without	-	**XCSC801**	*166.10*



XCS-E5

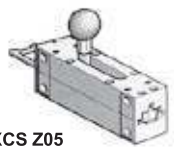
Type of switch	Contacts	Supply voltage of electromagnet (50/60Hz)	Reference	Price(S$)
With interlocking, locking by **electromagnet** Θ	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	24 Vac/dc	**XCSE5311**	*399.80*
		48 Vac/dc	**XCSE5321**	*399.80*
		110/120 Vac/dc (2)	**XCSE5331**	*431.60*
		220/240 Vac/dc (2)	**XCSE5341**	*431.60*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	24 Vac/dc	**XCSE7311**	*399.80*
		48 Vac/dc	**XCSE7321**	*399.80*
		110/120 Vac/dc (2)	**XCSE7331**	*431.60*
		220/240 Vac/dc (2)	**XCSE7341**	*431.60*
	3-pole N/C + N/C + N/C slow break	24 Vac/dc	**XCSE8311**	*399.80*
		48 Vac/dc	**XCSE8321**	*399.80*
		110/120 Vac/dc (2)	**XCSE8331**	*431.60*
		220/240 Vac/dc (2)	**XCSE8341**	*431.60*

XCS-Z01

XCS-Z02

Description	Price adder
Cable entries tapped M20 x 1.5	
Replace the last digit "1" with "2". Example: XCSA501 becomes XCSA502.	**Decrease by 10%**
Cable entries tapped 1/2" NPT	
Replace the last digit "1" with "3". Example: XCSA501 becomes XCSA503.	**Add 8%**

XCS Z03



XCS Z05

References of operating keys

For limit switches	Description	Reference	Price(S$)
XCS-A, B, C, E	Straight key	**XCSZ01**	*12.30*
	Wide key	**XCSZ02**	*12.30*
	Pivoting key	**XCSZ03**	*28.70*
	Latch for sliding doors	**XCSZ05**	*275.80*

Θ N/C contact with positive opening operation

(1) Adjustable throughout 360° in 90° steps. Blanking plug for operating head slot included with switch.

(2) For use on 110/120 Vdc or 220/240 Vdc, remove the LED indicator module.

Safety detection solutions

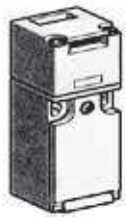
Guard switches

Plastic, turret head (1),

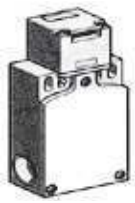
types XCS PA, XCS TA and XCS TE

Cable entries tapped for Pg 11 (n°11) cable gland

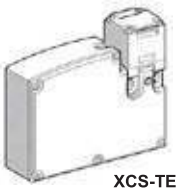
unit price (excl. GST in Singapore Dollars)



XCS-PA



XCS-TA



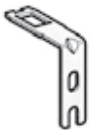
XCS-TE

XCS-Z91

XCS-Z11

XCS-Z12

XCS-Z113



XCS-Z15

Cable entries tapped for Pg 11 (n°11) cable gland				
Type of switch	Contacts	Supply voltage of electromagnet 50/60Hz	Reference	Price(S$)
Without locking of operating key Θ	2-pole N/C + N/O break before make slow break (2)	-	**XCSPA591**	*58.50*
	2-pole N/O + N/C make before break slow break (2)	-	**XCSPA691**	*58.50*
	2-pole N/C + N/C slow break (2)	-	**XCSPA791**	*58.50*
	3-pole N/C + N/O + N/O (2 N/O staggered) slow break (2)	-	**XCSTA591**	*66.70*
	3-pole N/C + N/C + N/O (N/O staggered) slow break (2)	-	**XCSTA791**	*66.70*
	3-pole N/C + N/C + N/C slow break (2)	-	**XCSTA891**	*66.70*
With interlocking, locking by **electromagnet**	2-pole N/C + N/O break before make slow break (2)	24 Vac/dc	**XCSTE5311**	*260.40*
		120 Vac/dc	**XCSTE5331**	*279.50*
		230 Vac/dc	**XCSTE5341**	*279.50*
	2-pole N/O + N/C make before break slow break (2)	24 Vac/dc	**XCSTE6311**	*260.40*
		120 Vac/dc	**XCSTE6331**	*279.50*
		230 Vac/dc	**XCSTE6341**	*279.50*
	2-pole N/C + N/C slow break (2)	24 Vac/dc	**XCSTE7311**	*260.40*
		120 Vac/dc	**XCSTE7331**	*279.50*
		230 Vac/dc	**XCSTE7341**	*279.50*

Description	Price adder
Cable entries tapped M16 x 1.5	
Replace the last digit 1 with 2. Example: XCSTE5311 becomes XCSTE5312.	**Decrease by 10%**
Cable entries tapped 1/2" NPT	
Replace the last digit 1 with 3. Example: XCSTE5311 becomes XCSTE5313.	**Add 5%**

Accessories

Description	For use with limit switches	Type	Reference	Price (S$)
Set of 10 blanking plug for operating head slot	XCS-PA, XCS-TA, XCS-TE		**XCSZ28**	*52.00*
Tool for forced opening of interlocking device	XCS-TE		**XCSZ100**	*3.10*
Padlocking device to prevent insertion of operating key, for up to 3 padlocks (padlocks not supplied)	XCS-PA, XCS-TA, XCS-TE		**XCSZ91**	*104.00*
Operating keys and guard retaining device	XCS-PA, XCS-TA, XCS-TE	Straight key	**XCSZ11**	*10.30*
		Key with wide fixing (3)	**XCSZ12**	*10.30*
			XCSZ15	*12.70*
		Pivoting key	**XCSZ13**	*19.50*
		Right-angled key	**XCSZ14**	*10.30*
		Guard retaining device (4)	**XCSZ21**	*15.40*

Θ N/C contact with positive opening operation

(1) Adjustable throughout 360° in 90° steps. Blanking plug for operating head slot included with switch.

(2) Schematic diagrams shown represent the contact states whilst the operating key is inserted in the head of the switch.

(3) 2 key lengths, XCS-Z12: L = 40 mm, XCS-Z15: L = 29 mm.

(4) Only for use with XCS-PA and XCS-TA limit switches used in conjunction with operating keys XCS-Z12, XCS-Z13 and XCS-Z15.

Safety detection solutions

Guard switches with lever or spindle operator

Plastic, double insulated, turret head *(1)*,

types XCS PL, XCS TL, XCS PR and XCS TR

Cable entries tapped for Pg 11 (n°11) cable gland

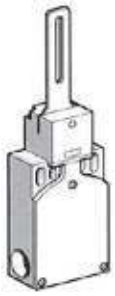
unit price (excl. GST in Singapore Dollars)

XCS-PL●91

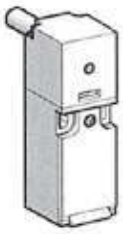
XCS-PL●81

XCS-PL●71

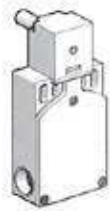
XCS-TL●61



XCS-TL●51



XCS-PR●51



XCS-TR●51

Cable entries tapped for Pg 11 (n° 11) cable gland

Type	Contacts	Operator	Reference	Price(S$)
Elbowed lever (flush with rear of switch) ϴ	2-pole N/C + N/O break before make slow break	To left	**XCSPL591**	*75.50*
		Centred	**XCSPL581**	*75.50*
		To right	**XCSPL571**	*75.50*
	2-pole N/C + N/C slow break	To left	**XCSPL791**	*75.50*
		Centred	**XCSPL781**	*75.50*
		To right	**XCSPL771**	*75.50*
	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	To left	**XCSTL591**	*77.50*
		Centred	**XCSTL581**	*77.50*
		To right	**XCSTL571**	*77.50*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	To left	**XCSTL791**	*77.50*
		Centred	**XCSTL781**	*77.50*
		To right	**XCSTL771**	*77.50*
	3-pole N/C + N/C + N/C slow break	To left	**XCSTL891**	*77.50*
		Centred	**XCSTL881**	*77.50*
		To right	**XCSTL871**	*77.50*
Straight lever ϴ	2-pole N/C + N/O break before make slow break	To right or to left	**XCSPL561**	*69.40*
		Centred	**XCSPL551**	*69.40*
	2-pole N/C + N/C slow break	To right or to left	**XCSPL761**	*69.40*
		Centred	**XCSPL751**	*69.40*
	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	To right or to left	**XCSTL561**	*71.40*
		Centred	**XCSTL551**	*71.40*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	To right or to left	**XCSTL761**	*71.40*
		Centred	**XCSTL751**	*71.40*
	3-pole N/C + N/C + N/C slow break	To right or to left	**XCSTL861**	*71.40*
		Centred	**XCSTL851**	*71.40*
Spindle ϴ	2-pole N/C + N/O break before make slow break	Length 30 mm *(2)*	**XCSPR551**	*77.50*
	2-pole N/C + N/C slow break	Length 30 mm *(2)*	**XCSPR751**	*77.50*
	3-pole N/C + N/O + N/O (2 N/O staggered) slow break	Length 30 mm *(2)*	**XCSTR551**	*87.70*
	3-pole N/C + N/C + N/O (N/O staggered) slow break	Length 30 mm *(2)*	**XCSTR751**	*87.70*
	3-pole N/C + N/C + N/C slow break	Length 30 mm *(2)*	**XCSTR851**	*87.70*

Description	Price adder
Cable entries tapped M16 x 1.5	
Replace the last digit 1 with 2. Example: XCSPL591 becomes XCSPL592.	**decrease by 30%**
Cable entries tapped 1/2" NPT	
Replace the last digit 1 with 3. Example: XCSPL591 becomes XCSPL593.	**no change**

ϴ N/C contact with positive opening operation

(1) Adjustable throughout 360° in 90° steps. Switches supplied with 2 additional self locking screws for positive fixing of the operating head.

(2) For switches with 80 mm spindle: replace the second reference digit 5 with a 6. ***Price add 2% from 30mm.*** *Price add 2% from 30mm. E.g.: XCS-PR551 becomes XCS-PR561.*

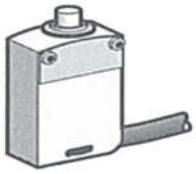
Safety detection solutions

Safety limit switches

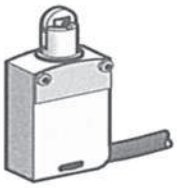
Miniature design, metal, type XCS M

Pre-cabled

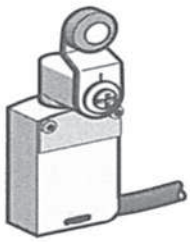
unit price (excel. GST in Singapore Dollars)



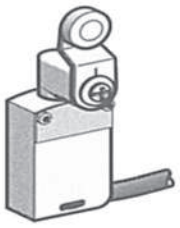
Metal end plunger



Roller plunger



Thermoplastic roller lever



Steel roller lever

Contacts *(2)*	Type of head	Switch actuation	Type of operator	Reference *(1)*	Price (S$)
3-pole N/C+N/C+N/O snap action	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCSM3910L1**	*177.50*
		By 30° cam	Roller plunger	**XCSM3902L1**	*195.80*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCSM3915L1**	*195.80*
			Steel roller lever	**XCSM3916L1**	*205.00*
3-pole N/C+N/C+N/O break before make, slow break	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCSM3710L1**	*197.90*
		By 30° cam	Roller plunger	**XCSM3702L1**	*218.30*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCSM3715L1**	*218.30*
			Steel roller lever	**XCSM3716L1**	*228.50*
4-pole N/C+N/C+N/O+N/O snap action	**Plunger** (fixing by the body)	On end	Metal end plunger	**XCSM4110L1**	*220.30*
		By 30° cam	Roller plunger	**XCSM4102L1**	*242.80*
	Rotary (fixing by the body)	By 30° cam	Thermoplastic roller lever	**XCSM4115L1**	*242.80*
			Steel roller lever	**XCSM4116L1**	*254.00*

(1) For a 2m long cable, replace L1 to L2, ***price adder S$11.00.***
For a 5m long cable, replace L1 to L5, ***price adder S$ 22.60.***
(2) N/C contact with positive opening operation

5

Life Is On Schneider Electric

Safety dialogue solutions

Emergency stop trip wire switches, type XY2 C

unit price (excl. GST in Singapore Dollars)

XY2 CH13250

XY2 CE1A250

XY2 CB30

Latching Emergency stops (cable and end spring not included unless otherwise stated)

Without pilot light *(1)*

Length of cable mm	Distance between cable supports	Reset	Type of contact			Cable anchor point	Reference	Price (S$)
≤ 15 m *(3)*	5 m	By booted pushbutton	1	1	N/C + N/O slow break	RH side or LH side	**XY2CH13250**	*182.50*
		By mushroom head pushbutton	1	1			**XY2CH13350**	*210.10*
		By key operated pushbutton (key n° 421) (2)	1	1			**XY2CH13450**	*186.70*
		By flush pushbutton	2	–	N/C + N/C slow break	RH side or LH side	**XY2CH13170**	*158.10*
		By booted pushbutton	2	–			**XY2CH13270**	*186.60*
		By mushroom head pushbutton	2	–			**XY2CH13370**	*215.20*
		By key operated pushbutton (key n° 421) *(2)*	2	–			**XY2CH13470**	*214.20*
≤ 50 m	5 m	By booted pushbutton	1	1	N/C + N/O	RH side	**XY2CE1A250**	*533.00*
			1	1	slow break	LH side	**XY2CE2A250**	*538.20*
			2	–	N/C + N/C	RH side	**XY2CE1A270**	*533.00*
			2	–	slow break	LH side	**XY2CE2A270**	*533.00*
		By key operated pushbutton (key n° 421) *(2)*	1	1	N/C + N/O	RH side	**XY2CE1A450**	*557.90*
			1	1	slow break	LH side	**XY2CE2A450**	*563.00*
			2	–	N/C + N/C	RH side	**XY2CE1A470**	*557.90*
			2	–	slow break	LH side	**XY2CE2A470**	*557.90*
≤ 100 m *(4)*	5 m	From inside enclosure	1	1	N/C + N/O	LH side	**XY2CB10**	*1,183.20*
			1	1	slow break	RH side	**XY2CB20**	*1,183.20*
			2	–	N/C + N/C	LH side	**XY2CB104**	*1,152.60*
			2	–	slow break	RH side	**XY2CB204**	*1,152.60*
≤ 2x100 m *(4)*	5 m	From inside enclosure	1	1	N/C + N/O slow break	RH & LH sides	**XY2CB30**	*1,254.60*
			2	–	N/C + N/C slow break		**XY2CB304**	*1,407.60*

With pilot light

Length of cable mm	Distance between cable supports	Reset	Voltage	Type of contact			Cable anchor point	Reference	Price (S$)
■ Direct supply									
≤ 15 m	5 m	By booted pushbutton	24V	1	1	N/C + N/O slow break	RH side or LH side	**XY2CH13253**	*204.00*
				2	–	N/C + N/C slow break		**XY2CH13273**	*212.20*
≤ 50 m	5 m	By booted pushbutton	24V, 48V, 130V (bulb not included)	2	2	N/C + N/O slow break	RH side	**XY2CE1A296**	*596.60*
				2	2		LH side	**XY2CE2A296**	*596.60*
			230v (bulb included)	2	2		RH side	**XY2CE1A297**	*628.40*
				2	2		LH side	**XY2CE2A297**	*628.40*
≤ 100 m	5 m	From inside enclosure	24V	1	1	N/C + N/O slow break	LH side	**XY2CB11**	*1,428.00*
					1		RH side	**XY2CB21**	*1,458.60*
			48V	1	1		LH side	**XY2CB12**	*1,412.70*
				1	1		RH side	**XY2CB22**	*1,412.70*
≤ 2x100 m	5 m	From inside enclosure	24V	1	1	N/C + N/O slow break	RH & LH sides	**XY2CB31**	*1,570.80*
			48V	1	1			**XY2CB32**	*1,448.40*
■ Supply via integral transformer *(5)*									
≤ 100 m	5 m	From inside enclosure	220 V/6 V	1	1	N/C + N/O slow break	LH side	**XY2CB14**	*1,489.20*
				1	1		RH side	**XY2CB24**	*1,489.20*
≤ 2x100 m	5 m	From inside enclosure	220 V/6 V	1	1		RH & LH sides	**XY2CB34**	*1,683.00*

(1) These Emergency stops are also available fitted with a pilot light, see ordering forms for XY2 CH and XY2 CE trip wire switches on Machine Safety catalogue.

(2) Ø 30 spring return, mushroom head, key operated pushbutton. Locking and key withdrawal in the rest (unactuated) position.

(3) For ISO M20 threaded cable entry version, add the suffix H29 to the reference selected. Example: XY2 CH13250 becomes XY2 CH13250H29. Consult us for quotation.

(4) XY2 CZ702 end spring included for XY2 CB.

(5) DL1 CB006 bulb included.

5

Safety dialogue solutions

Emergency stop trip wire switches, type XY2 C

unit price (excl. GST in Singapore Dollars)

XY2 CZ203

XY2 CZ402

XY2 CZ503

XY2 CZ524

XY2 CZ601

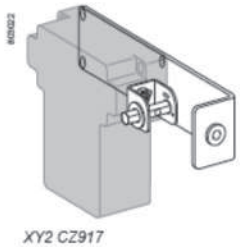
XY2 CZ602

XY2 CZ705

XY2 CZ708

XY2 CZ701

XY2 CZ702


XY2 CZ917

Separate components

Description	For use with	Diameter mm	Length m	Reference	Price (S$)
Galvanised cables with red sheath	XY2 CH, XY2 CE and XY2 CB	3.2	10.5	**XY2CZ301**	*51.30*
			15.5	**XY2CZ3015**	*63.20*
			25.5	**XY2CZ302**	*123.40*
			50.5	**XY2CZ305**	*245.00*
			100.5	**XY2CZ310**	*453.90*
	XY2 CH and XY2 CE	5	15.5	**XY2CZ1015**	*47.90*
			25.5	**XY2CZ102**	*69.40*
			50.5	**XY2CZ105**	*136.40*
			100.5	**XY2CZ110**	*271.30*

Description	Type	For use with	sold in lot of	Reference	Price (S$)
Tensioner (included in mounting kit XY2 CZ917)	–	XY2 CE	1	**XY2CZ203**	*53.00*
Turnbuckles	M6 x 60 + locknut	All models except XY2 CH	1	**XY2CZ402**	*14.40*
	M8 x 70 + locknut	All models except XY2 CH	1	**XY2CZ404**	*16.40*
Cable grips	Single	Cable Ø 3 to 5 mm	10	**XY2CZ503**	*4.10*
	Double	Cable Ø 3 to 5 mm	10	**XY2CZ513**	*6.20*
	Clamp	Cable Ø 3.2 mm	10	**XY2CZ523**	*2.50*
		Cable Ø 5 mm	10	**XY2CZ524**	*2.50*
Cable supports	Fixed	All models	10	**XY2CZ601**	*6.20*
	Swivelling	All models	1	**XY2CZ602**	*19.40*
	Pulley support	XY2 CH and XY2 CE	1	**XY2CZ705**	*16.40*
Pulley	Cable Ø 5 mm max.	XY2 CH and XY2 CE	1	**XY2CZ708**	*43.90*
Cable end protectors		Cable Ø 3.2 mm	10	**XY2CZ701**	*4.10*
		Cable Ø 5 mm	10	**XY2CZ704**	*8.20*
End springs		XY2 CH	1	**XY2CZ703**	*10.40*
		XY2 CE and XY2 CB	1	**XY2CZ702**	*14.40*

Mounting kits

Description	For use with	Cable diameter mm	Length of cable m	Reference	Price (S$)
Tensioner + bracket	XY2 CE	–	–	**XY2CZ917**	*71.60*
Kit comprising: -1 galvanised cable, -1 cable grip **XY2 CZ523**, -1 end spring XY2 CZ703	XY2 CH	3.2	10	**XY2CZ9310**	*51.30*
			15	**XY2CZ9315**	*72.80*
Kit comprising: -1 galvanised cable, -4 cable grips **XY2 CZ523**, -1 turnbuckle **XY2 CZ404**,	XY2 CE	3.2	25	**XY2CZ9325**	*96.40*
-1 cable support **XY2 CZ601**, -3 cable end protectors **XY2 CZ701**, -1 end spring **XY2 CZ702**	XY2 CE and XY2 CB	3.2	50	**XY2CZ9350**	*153.80*
Kit comprising: -1 galvanised cable, -4 cable grips **XY2 CZ524**, -1 turnbuckle **XY2 CZ404,**	XY2 CE	5	25	**XY2CZ9525**	*107.70*
-1 cable support **XY2 CZ601**, -3 cable end protectors **XY2 CZ704,** -1 end spring **XY2 CZ702**	XY2 CE	5	50	**XY2CZ9550**	*169.30*

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