

01.05.2025

# BẢNG GIÁ

BREAKER & SWITCHGEAR SYSTEM



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SHIHLIN  
ToolKit





- Model name: SVB-24G-16/25
  - Circuit breaker type: Draw Out / Fixed (applicable to CNS 15156-200 standard)
  - Rated voltage: 24kV
  - Rated current: 630A, 1250A
  - Rated short circuit breaking current: 16/25kA (rms)
  - Rated frequency: 50/60Hz
  - Rated short-time withstand current: 16/25kA (3sec)
  - Rated short-time input current: 42/65kA
  - Rated low frequency withstand voltage (dry type 1min): 50kV
  - Rated impulse withstand voltage: 125kV
  - Rated breaking capacity: 665/1000MVA
  - Rated operating sequence: O-0.3s-CO-180s-CO
  - Rated on-off time: 3/50 cycle/ms
  - Mechanical life: 10000 (M2 level)
  - Rated operation voltage: AC/DC 110 or 220 V
- Features:
1. Qualified for testing by Taiwan Electric Research & Testing center and power transmission approval by Taipower.
  2. Multiple accessories: draw-out base, input lock, capacitor tripping device(CTD), grounding switch, overcurrent tripping device, input button lock, input button cover(lockable)

## VCB Specification

| Type                                                         |          | SVB-24G-16         |          | SVB-24G-25 |          |
|--------------------------------------------------------------|----------|--------------------|----------|------------|----------|
| Breaker Type                                                 |          | Fixed              | Draw Out | Fixed      | Draw Out |
| Type                                                         |          | Aviation Connector |          |            |          |
| Rated Voltage                                                | kV       | 24                 |          |            |          |
| Rated Current                                                | A        | 630, 1250          |          |            |          |
| Rated Frequency                                              | Hz       | 50/60              |          |            |          |
| Low Frequency Withstand Voltage (1min, dry)                  | kV       | 50                 |          |            |          |
| Impulse Withstand Voltage                                    | kV       | 125 (1.2 x 50μs)   |          |            |          |
| Rated Short-circuit Breaking Current                         | kA (rms) | 16                 |          | 25         |          |
| Rated Short-time Withstand Current (3sec)                    | kA       | 16                 |          | 25         |          |
| Rated Making Current                                         | kA       | 42                 |          | 65         |          |
| Rated Breaking Capacity                                      | MVA      | 665                |          | 1000       |          |
| Rated Operation Sequence                                     |          | O-0.3s-CO-180s-CO  |          |            |          |
| Rated Breaking Time                                          | cycle/ms | 3/50               |          |            |          |
| Mechanical Endurance                                         | time     | 10000 (M2)         |          |            |          |
| Capacitive Current Switching                                 |          | C2                 |          |            |          |
| Rated Operation Voltage                                      | V        | AC/DC 110, 220     |          |            |          |
| Average Closing Frequency                                    | m/s      | 0.6~1              |          |            |          |
| Average Opening Frequency                                    | m/s      | 1.0~1.6            |          |            |          |
| Closing Time                                                 | ms       | ≤ 50               |          |            |          |
| Opening Time                                                 | ms       | ≤ 50               |          |            |          |
| Closing Contact Acting Time                                  | ms       | ≤ 2                |          |            |          |
| Closing and Opening Non-simultaneity of Three-phase Contacts | ms       | ≤ 2                |          |            |          |
| Clearance Between Poles                                      | mm       | 210                |          |            |          |
| NO.of Auxiliary Switches                                     |          | 6NO+6NC            |          |            |          |
| Mass CB Weight                                               | kg       | 128                | 135      | 128        | 135      |


**Shihlin Electric**

Reference No.

**BSE25001N**

# Notification Letter

**Re :** Distributor

**Subject :** MCCB Electronic type (BM series)  
discontinued

## Description :

1. Thanks to the distributor for the long term support to Shihlin Electric.
2. Shihlin electronic type MCCB BM series will be replaced by BMA series to improve its features.
3. The main difference is as below:
  - ①**Controller:**
    - BM series(old) → E type(Knob)
    - BMA series(new) → Added A type(General) 、G type(Ground) and H type(High performance)
  - ②**Breaking capacity(IEC60947-2)**
    - BM series(old) →  $I_{cs}=50\%I_{cu}$
    - BMA series(new) →  $I_{cs}=100\%I_{cu}$
4. The detailed is listed in the attachment 1&2.
5. Implement date: January 01, 2025

Distributor

 Breaker & Switchgear  
Overseas Marketing Dept.

Date of issue :

**Jan., 3th , 2025**



# Shihlin Electric

Reference No.

BSE25001N

## Model specifications comparison table :

| MCCB(Electronic type) |    |                              |     |                   |     |                               |     |
|-----------------------|----|------------------------------|-----|-------------------|-----|-------------------------------|-----|
| BM series (old)       |    | Breaking Capacity Ics=50%Icu |     | BM A series (new) |     | Breaking Capacity Ics=100%Icu |     |
|                       |    | Icu                          | Ics |                   |     | Icu                           | Ics |
| BM100                 | HE | 50                           | 25  | BMA100            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM160                 | HE | 50                           | 25  | BMA160            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM250                 | HE | 50                           | 25  | BMA250            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM400                 | HE | 50                           | 25  | BMA400            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM630                 | HE | 50                           | 25  | BMA630            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM800                 | HE | 50                           | 25  | BMA800            | HED | 50                            | 50  |
|                       | RE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | UE | 85                           | 43  |                   | -   | -                             | -   |
| BM 1000               | -  | -                            | -   | BM A 1000         | HED | 50                            | 50  |
|                       | SE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | HE | 85                           | 43  |                   | -   | -                             | -   |
| BM 1250               | -  | -                            | -   | BM A 1250         | HED | 50                            | 50  |
|                       | SE | 70                           | 35  |                   | RED | 70                            | 70  |
|                       | HE | 85                           | 43  |                   | -   | -                             | -   |
| -                     | -  | -                            | -   | BM A 1600         | HED | 50                            | 50  |
|                       | -  | -                            | -   |                   | RED | 70                            | 70  |
|                       | -  | -                            | -   |                   | -   | -                             | -   |

## Controller function table:

| Type           |                                | Electronic type    |                  |                 |                           |
|----------------|--------------------------------|--------------------|------------------|-----------------|---------------------------|
|                |                                | Power distribution |                  |                 |                           |
|                |                                | E - Knob type      | A - General type | G - Ground type | H - High performance type |
| Protection     | Overload long time delay       | ■                  | ■                | ■               | ■                         |
|                | Short circuit short time delay | ■                  | ■                | ■               | ■                         |
|                | Instantaneous protection       | ■                  | ■                | ■               | ■                         |
|                | Neutral protection             | ■                  | ■                | ■               | ■                         |
|                | Ground fault protection        | ■                  | ■                | ■               | ■                         |
| Other function | Over current pre-warning       | ■                  | ■                | ■               | ■                         |
|                | Current display                | ■                  | ■                | ■               | ■                         |
|                | Thermal memory functions       | ■                  | ■                | ■               | ■                         |
|                | Tripping records               | ■                  | ■                | ■               | ■                         |
|                | Alarm records                  | ■                  | ■                | ■               | ■                         |
|                | Tripping times                 | ■                  | ■                | ■               | ■                         |
|                | Contact wear indication        | ■                  | ■                | ■               | ■                         |
|                | Continuous operation time      | ■                  | ■                | ■               | ■                         |
|                | Cumulative operating time      | ■                  | ■                | ■               | ■                         |
|                | Testing                        | ■                  | ■                | ■               | ■                         |
|                | ZSI*                           | ■                  | ■                | ■               | ■                         |
|                | Communication*                 | ■                  | ■                | ■               | ■                         |
|                | Button setting                 | ■                  | ■                | ■               | ■                         |
| Interactive    | Knob setting                   | ■                  | ■                | ■               | ■                         |
|                | LCD display                    | ■                  | ■                | ■               | ■                         |
|                | LED indication                 | ■                  | ■                | ■               | ■                         |

Distributor

Breaker & Switchgear  
Overseas Marketing Dept.

Date of issue :

Jan., 1th , 2025





## Model Launched!

| Type                             |      | BM100                                       |       | BM125                                              |                                      |                                      | BM160                                     |       | BM250                                                     |       |
|----------------------------------|------|---------------------------------------------|-------|----------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------|-------|-----------------------------------------------------------|-------|
| Frame Size                       |      | 100AF                                       |       | 125AF                                              |                                      |                                      | 160AF                                     |       | 250AF                                                     |       |
| Model                            |      | STD                                         | LTD   | LTD                                                | HTA                                  | RTA                                  | HTA                                       | RTA   | HTA                                                       | RTA   |
| Number of poles                  |      | 2P / 3P / 4P                                |       | 2P / 3P / 4P                                       |                                      |                                      | 3P / 4P                                   |       | 3P / 4P                                                   |       |
| Frequency (Hz)                   |      | 50 / 60                                     |       | 50 / 60                                            |                                      |                                      | 50 / 60                                   |       | 50 / 60                                                   |       |
| Rated Current, In                |      | 10,15,16,20,25,30,32,40,50,60,63,75,80,100A |       | 10,15,16,20,25,30,32,40,50,60,63,70,75,80,100,125A |                                      |                                      | 40,50,60,63,70,75,80,100,125,140,150,160A |       | 40,50,60,63,70,75,80,100,125,140,150,160,175,200,225,250A |       |
| Rated insulation voltage Ui (AC) |      | 800V                                        |       | 800V                                               |                                      |                                      | 800V                                      |       | 800V                                                      |       |
| Uimp(kV)                         |      | 8kV                                         |       | 8kV                                                |                                      |                                      | 8kV                                       |       | 8kV                                                       |       |
| Breaking Capacity, Icu (AC)      | 690V | 5 kA                                        | 5 kA  | 5 kA                                               | 10 kA                                | 10 kA                                | 10 kA                                     | 10 kA | 10 kA                                                     | 10 kA |
|                                  | 415V | 25 kA                                       | 36 kA | 36 kA                                              | 50 kA                                | 70 kA                                | 50 kA                                     | 70 kA | 50 kA                                                     | 70 kA |
|                                  | 380V | 30 kA                                       | 36 kA | 36 kA                                              | 50 kA                                | 70 kA                                | 50 kA                                     | 70 kA | 50 kA                                                     | 70 kA |
| Ics (%Icu)                       |      | 50                                          | 70    | 70                                                 | 50                                   | 50                                   | 50                                        | 50    | 50                                                        | 50    |
| Dimension W x H x D (mm)         | 2P   | 50 x 130 x 68                               |       | 50 x 130 x 68                                      | 90 x 155 x 68                        | 90 x 155 x 68                        | -                                         |       | -                                                         |       |
|                                  | 3P   | 75 x 130 x 68                               |       | 75 x 130 x 68                                      | 90 x 155 x 68                        | 90 x 155 x 68                        | 105 x 165 x 68                            |       | 105 x 165 x 68                                            |       |
|                                  | 4P   | 100 x 130 x 68                              |       | 100 x 130 x 68                                     | 120 x 155 x 68                       | 120 x 155 x 68                       | 140 x 165 x 68                            |       | 140 x 165 x 68                                            |       |
| Trip Unit                        |      | Thermal magnetic                            |       | Thermal magnetic                                   | Adjustable Thermal<br>Fixed magnetic | Adjustable Thermal<br>Fixed magnetic | Adjustable Thermal<br>Fixed magnetic      |       | Adjustable Thermal<br>Fixed magnetic                      |       |

| Type                             |      | BM630s                               |       |       |       | BMA630s                              |       |       |       | BMA1000         | BMA1250         | BMA1600         |
|----------------------------------|------|--------------------------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|-----------------|-----------------|-----------------|
| Frame Size                       |      | 630AF                                |       |       |       | 630AF                                |       |       |       | 1000AF          | 1250AF          | 1600AF          |
| Model                            |      | STA                                  | LTA   | HTA   | RTA   | STA                                  | LTA   | HTA   | RTA   | RED             | RED             | RED             |
| Number of poles                  |      | 3P / 4P                              |       |       |       | 3P / 4P                              |       |       |       | 3P / 4P         | 3P / 4P         | 3P / 4P         |
| Frequency (Hz)                   |      | 50 / 60                              |       |       |       | 50 / 60                              |       |       |       | 50 / 60         | 50 / 60         | 50 / 60         |
| Rated Current, In                |      | 400,500,600,630A                     |       |       |       | 400,500,600,630A                     |       |       |       | 1000A           | 1250A           | 1600A           |
| Rated insulation voltage Ui (AC) |      | 1000V                                |       |       |       | 1000V                                |       |       |       | 1000V           | 1000V           | 1000V           |
| Uimp(kV)                         |      | 8kV                                  |       |       |       | 8kV                                  |       |       |       | 8kV             | 8kV             | 8kV             |
| Breaking Capacity, Icu (AC)      | 690V | 10 kA                                | 10 kA | 10 kA | 15 kA | 10 kA                                | 10 kA | 10 kA | 15 kA | 45 kA           | 45 kA           | 45 kA           |
|                                  | 415V | 25 kA                                | 36 kA | 50 kA | 70 kA | 25 kA                                | 36 kA | 50 kA | 70 kA | 70 kA           | 70 kA           | 70 kA           |
|                                  | 380V | 25 kA                                | 36 kA | 50 kA | 70 kA | 25 kA                                | 36 kA | 50 kA | 70 kA | 70 kA           | 70 kA           | 70 kA           |
| Ics (%Icu)                       |      | 50                                   |       |       |       | 100                                  |       |       |       | 100             | 100             | 100             |
| Dimension W x H x D (mm)         | 3P   | 140 x 257 x 103                      |       |       |       | 140 x 257 x 103                      |       |       |       | 210 x 327 x 141 | 210 x 327 x 141 | 210 x 327 x 141 |
|                                  | 4P   | 185 x 257 x 103                      |       |       |       | 185 x 257 x 103                      |       |       |       | 280 x 327 x 141 | 280 x 327 x 141 | 280 x 327 x 141 |
| Trip Unit                        |      | Adjustable Thermal<br>Fixed magnetic |       |       |       | Adjustable Thermal<br>Fixed magnetic |       |       |       | Electronic      | Electronic      | Electronic      |



**Giá bán đã bao gồm thuế VAT 10%**

**MCCB / ELCB**

**MCCB (Aptomat) 2P Tiêu chuẩn IEC60947-2**

| Mã hàng   | P  | Dòng định mức (A)               | kA  | Đơn giá (VND) |
|-----------|----|---------------------------------|-----|---------------|
| BM 30-CN  | 2P | 3.5.10.15.20.30A                | 1.5 | 530,000       |
| BM 50-CN  | 2P | 10.15.20.30.40.50A              | 2.5 | 668,000       |
| BM 100-MN | 2P | 10.15.20.30.40.50A              | 10  | 921,000       |
|           |    | 60.75.100A                      |     | 968,000       |
| BM 100-SN | 2P | 10.15.20.30.40.50.60.75.100A    | 15  | 1,012,000     |
| BM 250-SN | 2P | 125.150.175.200.225.250A (Adj.) | 30  | 1,914,000     |
| BM 400-CN | 2P | 250.300.350.400A                | 25  | 4,646,000     |

**MCCB (Aptomat) 3P Tiêu chuẩn IEC60947-2**

| Mã hàng     | P  | Dòng định mức (A)                                         | kA  | Đơn giá (VND) |
|-------------|----|-----------------------------------------------------------|-----|---------------|
| BM 30-CN    | 3P | 3.5.10.15.20.30A                                          | 1.5 | 721,000       |
| BM 50-CN    | 3P | 10.15.20.30.40.50A                                        | 2.5 | 742,000       |
| BM 100-MN   | 3P | 10.15.20.30.40.50A                                        | 10  | 900,000       |
|             |    | 60.75.100                                                 |     | 1,111,000     |
| BM 100-SN   | 3P | 10.15.20.30.40.50A                                        | 15  | 930,000       |
|             |    | 60.75.100                                                 |     | 1,139,000     |
| BM 100-STD  | 3P | 15.16.20.25.30.32.40.50.60.63.75.80.100A                  | 30  | 1,683,000     |
| BM 100-LTD  | 3P | 10.15.16.20.25.30.32.40.50.60.63.70.75.80.100A            | 36  | 2,379,000     |
| BM 125-SN   | 3P | 10.15.20.30.40.50.60.75.100.125A                          | 22  | 1,420,000     |
| BM 125-LTD  | 3P | 15.16.20.25.30.32.40.50.60.63.75.80.100.125A              | 36  | 2,379,000     |
| BM 125-HTA  | 3P | 10.15.16.20.25.30.32.40.50.60.63.70.75.80.100.125A (Adj.) | 50  | 3,490,000     |
| BM 125-RTA  | 3P | 60.63.70.75.80.100.125A (Adj.)                            | 70  | 6,056,000     |
| BM 160-HTA  | 3P | 40.50.60.63.70.75.80.100.125.140.150.160A (Adj.)          | 50  | 4,542,000     |
| BM 160-RTA  | 3P | 125.140.150.160A (Adj.)                                   | 70  | 5,092,000     |
| BM 250-CN   | 3P | 125.150.175.200.225.250A (Adj.)                           | 22  | 2,225,000     |
| BM 250-SN   | 3P |                                                           | 30  | 2,369,000     |
| BM 250-HN   | 3P |                                                           | 36  | 2,892,000     |
| BM 250-LTA  | 3P | 175.200.225.250A (Adj.)                                   | 36  | 2,892,000     |
| BM 250-HTA  | 3P |                                                           | 50  | 5,048,000     |
| BM 250-RTA  | 3P |                                                           | 70  | 5,531,000     |
| BM 400-CN   | 3P | 250.300.350.400A                                          | 25  | 4,962,000     |
| BM 400-SN   | 3P |                                                           | 35  | 5,162,000     |
| BM 400-HN   | 3P |                                                           | 50  | 5,518,000     |
| BM 630s-STA | 3P | 400.500.600.630A (Adj.)                                   | 25  | 9,566,000     |
| BM 630s-LTA | 3P |                                                           | 36  | 9,778,000     |
| BM 630s-HTA | 3P |                                                           | 50  | 13,438,000    |
| BM 630s-RTA | 3P |                                                           | 70  | 16,828,000    |
| BM 800-CN   | 3P |                                                           | 35  | 10,328,000    |
| BM 800-SN   | 3P | 700.800A                                                  | 50  | 13,480,000    |
| BM 400-CN   | 3P |                                                           | 25  | 5,756,000     |
| BM 400-SN   | 3P | 250.300.350.400A                                          | 35  | 5,956,000     |
| BM 400-HN   | 3P |                                                           | 50  | 6,312,000     |
| BM 630s-STA | 3P | 400.500.600.630A (Adj.)                                   | 25  | 10,360,000    |
| BM 630s-LTA | 3P |                                                           | 36  | 10,572,000    |
| BM 630s-HTA | 3P |                                                           | 50  | 14,232,000    |
| BM 630s-RTA | 3P |                                                           | 70  | 17,622,000    |
| BM 800-CN   | 3P | 700.800A                                                  | 35  | 12,860,000    |
| BM 800-SN   | 3P |                                                           | 50  | 16,012,000    |
| BM 1000-HS  | 3P | 1000A                                                     | 100 | 36,166,000    |
| BM 1200-HS  | 3P | 1200A                                                     |     | 41,210,000    |
| BM 1600-HS  | 3P | 1400.1600A                                                |     | 55,649,000    |

**EMCCB (Aptomat) 3P IEC60947-2 Chỉnh dòng điện từ 0.4~1\*In**

| Mã hàng      | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|--------------|----|-------------------|----|---------------|
| BMA 1000-RED | 3P | 1000A             | 70 | 30,610,000    |
| BMA 1250-RED | 3P | 1250A             |    | 33,645,000    |
| BMA 1600-RED | 3P | 1600A             |    | 46,295,000    |
| BMA 1000-RED | 3P | 1000A             | 70 | 33,965,000    |
| BMA 1250-RED | 3P | 1250A             |    | 37,000,000    |
| BMA 1600-RED | 3P | 1600A             |    | 49,650,000    |

**MCCB (Aptomat) 4P Tiêu chuẩn IEC60947-2**

| Mã hàng     | P  | Dòng định mức (A)                              | kA | Đơn giá (VND) |
|-------------|----|------------------------------------------------|----|---------------|
| BM 100-SN   | 4P | 10.15.20.30.40.50A                             | 15 | 1,257,000     |
|             |    | 60.75.100                                      |    | 1,442,000     |
| BM 100-STD  | 4P | 10.15.16.20.25.30.32.40.50.60.63.70.75.80.100A | 30 | 1,973,000     |
| BM 250-SN   | 4P | 125.150.175.200.225.250A (Adj.)                | 30 | 2,737,000     |
| BM 250-HN   | 4P |                                                | 36 | 4,120,000     |
| BM 250-LTA  | 4P |                                                | 36 | 4,120,000     |
| BM 400-SN   | 4P | 250.300.350.400A                               | 35 | 8,003,000     |
| BM 400-HN   | 4P |                                                | 50 | 9,085,000     |
| BM 630s-LTA | 4P | 400.500.600.630A                               | 36 | 15,122,000    |
| BM 630s-HTA | 4P |                                                | 50 | 16,614,000    |
| BM 800-SN   | 4P | 700.800A                                       | 50 | 20,440,000    |
| BM 800-HN   | 4P |                                                | 70 | 26,172,000    |

**CB Chống giật Tiêu chuẩn IEC60947-2 Chỉnh dòng 30 - 100 - 500mA 0.1s**

| Mã hàng   | P  | Dòng định mức (A)         | kA | Đơn giá (VND) |
|-----------|----|---------------------------|----|---------------|
| BL 100-SN | 3P | 15.20.30.40.50A           | 15 | 2,199,000     |
|           |    | 60.75.100A                |    | 2,330,000     |
| BL 160-SN | 3P | 125.140.160A              | 30 | 4,554,000     |
| BL 250-SN | 3P | 175.200.225.250A          |    | 4,580,000     |
| BL 400-SN | 3P | 250.300.350.400A          | 35 | 9,684,000     |
| BL 630-HN | 3P | 500.630A                  | 50 | 15,704,000    |
| BL 100-SN | 4P | 15.20.30.40.50.60.75.100A | 15 | 3,795,000     |
| BL 100-HN | 4P |                           | 30 | 4,319,000     |
| BL 160-SN | 4P | 125.140.160A              | 30 | 7,289,000     |
| BL 250-SN | 4P | 175.200.225.250A          |    | 7,459,000     |
| BL 400-SN | 4P | 250.300.350.400A          |    | 15,180,000    |
| BL 630-HN | 4P | 500.630A                  | 50 | 21,985,000    |

**PHỤ KIỆN MCCB – BỘ KHỞI ĐỘNG ON/OFF MCCB**

| Mã hàng | Đơn giá (VND) |
|---------|---------------|
| MT-100N | 8,248,000     |
| MT-125N | 8,602,000     |
| MT-250N | 9,427,000     |
| MT-250E | 9,663,000     |
| MT-400N | 12,962,000    |
| MT-800N | 14,493,000    |

**PHỤ KIỆN MCCB**

| Mã hàng                                                     | Đơn giá (VND) |           |           |
|-------------------------------------------------------------|---------------|-----------|-----------|
|                                                             | SHT           | UVT       | AUX       |
| BM 50-CN/100-MN.SN                                          | 698,000       | 1,450,000 | 354,000   |
| BM 100-HN/125-SN.HN                                         | 748,000       | 1,701,000 | 448,000   |
| BM 100-STD.LTD/125-HTA.RTA/160-HTA.RTA/250-CN.SN.HN.HTA.RTA | 985,000       | 1,921,000 | 542,000   |
| BM 400-CN.SN.HN/630s-STA.LTA.HTA.RTA/800-CN.SN.HN           | 1,042,000     | 1,992,000 | 801,000   |
| BM 1000~1600-HS                                             | 2,593,000     | 5,067,000 | 2,003,000 |
| BMA 1000~1600-RED                                           | 2,593,000     | 5,067,000 | 2,003,000 |



**Giá bán đã bao gồm thuế VAT 10%**

**MS / STARTER**

**KHỞI ĐỘNG TỪ - CONTACTOR**

| Mã hàng  | 3φ 380V AC3 |     |     | Tiếp điểm  | Chọn rơ le nhiệt | Đơn giá (VND) |
|----------|-------------|-----|-----|------------|------------------|---------------|
|          | KW          | HP  | A   |            |                  |               |
| S-P06    | 3           | 4   | 6   | 1a         | TH-P09PP         | 280,000       |
| S-P09    | 4           | 5.5 | 9   |            |                  | 308,000       |
| S-P9T    |             |     |     | 1a1b       | 330,000          |               |
| S-P11    | 5.5         | 7.5 | 12  | 1a         | TH-P12ES         | 347,000       |
| S-P12T   |             |     |     | 1a1b       |                  | 400,000       |
| S-P16    | 7.5         | 10  | 18  | 1a1b       | TH-P20ES         | 526,000       |
| S-P21A   | 11          | 15  | 21  |            |                  | 550,000       |
| S-P30T   | 15          | 20  | 30  | 2a2b       | TH-P20ES TA      | 741,000       |
| S-P32T   | 15          | 20  | 32  | 1a1b       |                  | 640,000       |
| S-P35T   | 18.5        | 25  | 35  | 2a2b       |                  | 786,000       |
| S-P40T   | 22          | 30  | 40  |            |                  | 1,238,000     |
| S-P50T   | 30          | 40  | 52  | 1a1b       | TH-P60ES         | 1,513,000     |
| S-P60T   | 37          | 50  | 65  |            | TH-P60ES TA      | 1,670,000     |
| S-P80T   | 45          | 60  | 80  | 2,333,000  |                  |               |
| S-P100E  | 55          | 75  | 100 | 1a1b       | TH-P120E         | 2,567,000     |
| S-P100T  | 60          | 80  | 105 |            |                  | 2,900,000     |
| S-P125T  | 75          | 100 | 130 | 2a2b       | TH-P120ETA       | 3,666,000     |
| S-P150T  | 90          | 125 | 160 |            | 4,838,000        |               |
| S-P220T  | 120         | 160 | 220 |            | TH-P220TE        | 6,653,000     |
| S-P300T  | 160         | 220 | 300 |            | TH-P400TE        | 10,842,000    |
| S-P400T  | 220         | 300 | 400 | TH-P600CTE | 12,836,000       |               |
| S-P630T  | 335         | 450 | 630 |            | 23,921,000       |               |
| S-P800T  | 450         | 610 | 800 |            | 28,005,000       |               |
| S-P1260T |             |     |     |            |                  | 35,006,000    |

**RƠ LE NHIỆT (CÓ THANH ĐỒNG KẾT NỐI) - OVERLOAD**

| Mã hàng     | Dây điều chỉnh nhiệt (A)                                                                                                                                                                     | Đơn giá (VND) |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| TH-P09PP    | 1.3(1~1.6) ; 2(1.6~2.4) ; 3.2(2.4~4) ; 5(4~6)A                                                                                                                                               | 320,000       |
| TH-P12ES    | 0.25(0.19~0.31) ; 0.4(0.3~0.5) ; 0.6(0.45~0.75)A<br>0.9(0.7~1.1) ; 1.2(0.9~1.5) ; 1.7(1.3~2.1)A<br>2.1(1.6~2.6) ; 3.3(2.5~4.1) ; 4.4(3.4~5.4)A<br>6.5(5~8) ; 9(7~11) ; 11(9~13) ; 15(12~18)A | 290,000       |
| TH-P18      | 9(7~11) ; 11(9~13) ; 15(12~18) ; 21(17~24)A                                                                                                                                                  | 310,000       |
| TH-P20ES    |                                                                                                                                                                                              | 338,000       |
| TH-P20ES TA | 28(22~34) ; 33(28~38) ; 40A(32~48)A                                                                                                                                                          | 368,000       |
| TH-P60ES    | 33(28~38) ; 40(32~48) ; 54(43~65)A                                                                                                                                                           | 471,000       |
| TH-P60ES TA | 67(54~80) ; 80(60~100)A                                                                                                                                                                      | 820,000       |
| TH-P120E    | 40(32~48) ; 54(43~65) ; 67(54~80) ; 80(60~100)                                                                                                                                               | 1,080,000     |
| TH-P120ETA  | 105(80~130)A<br>130(100~160) ; 160(120~200)A                                                                                                                                                 | 1,367,000     |
| TH-P220TE   | 200(150~250)A                                                                                                                                                                                | 3,000,000     |
| TH-P400TE   | 260(200~320) ; 350(260~400)A                                                                                                                                                                 | 4,100,000     |

**KHỞI ĐỘNG TỪ HỘP**

| Mã hàng    | 3P 220V |     | 3P 380V |     | Rơ le Nhiệt   | Đơn giá (VND) |
|------------|---------|-----|---------|-----|---------------|---------------|
|            | KW      | HP  | KW      | HP  |               |               |
| MS-P11PBE  | 0.2     | 1/4 | 0.4     | 1/2 | 1.2(0.9~1.5)A | 790,000       |
|            | 0.3     | 2/5 | 0.75    | 1   | 1.7(1.3~2.1)A |               |
|            | 0.4     | 1/2 | 1.1     | 1.5 | 2.1(1.6~2.6)A |               |
|            | 0.75    | 1   | 1.5     | 2   | 3.3(2.5~4.1)A |               |
|            | 1.1     | 1.5 | 2.2     | 3   | 4.4(3.4~5.4)A |               |
|            | 1.5     | 2   | 3       | 4   | 6.5(5~8)A     |               |
|            | 2.2     | 3   | 3.7     | 5.5 | 9(7~11)A      |               |
|            | 3       | 4   | 5.5     | 7.5 | 11(9~13)A     |               |
| MS-P16PBE  | 3.7     | 5   | 7.5     | 10  | 15(12~18)A    | 939,000       |
| MS-P21PBE  | 5.5     | 7.5 | 12      | 15  | 21(17~24)A    | 1,044,000     |
| MS-P35TPBE | 7.5     | 10  | 15      | 20  | 28(22~34)A    | 1,822,000     |
| MS-P40TPBE | 11      | 15  | 22      | 30  | 40(32~48)A    | 1,847,000     |

**PHỤ KIỆN KHỞI ĐỘNG TỪ**

| Coil: 24.48.110.220.380V | Đơn giá (VND) | Tiếp điểm phụ (S-P11~21A) | Đơn giá (VND) |
|--------------------------|---------------|---------------------------|---------------|
| S-P 11~21                | 148,000       | AP-11                     | 93,000        |
| S-P 30/35/40             | 189,000       | APS-11                    | 104,000       |
| S-P 50/60                | 224,000       | AP-22                     | 172,000       |
| S-P 80                   | 413,000       |                           |               |
| S-P 100                  | 566,000       |                           |               |
| S-P 125/150              | 978,000       | Nút nhấn – Push Button    | Đơn giá (VND) |
| S-P 220                  | 1,061,000     | PB-2                      | 93,000        |
| S-P 300/400              | 5,891,000     | PB-3                      | 176,000       |

| Khóa liên động                                    | Đơn giá (VND) |
|---------------------------------------------------|---------------|
| MPU-11 S-2XP 9T,11,12T,15,30T,35T,38T,40T,50T,60T | 133,000       |
| MPU-21 S-2XP 16,21(A),25,32T                      | 146,000       |
| MPU-50 S-2XP 80T                                  | 218,000       |
| MPU-125 S-2XP 125~400T                            | 381,000       |

| Capacitor Unit |         | Kvar/380V | Đơn giá (VND) |
|----------------|---------|-----------|---------------|
| AP-40-A        | S-P 11  | 12.5      | 499,000       |
|                | S-P 16  | 16.7      |               |
|                | S-P 21A | 20        |               |
| AP-40-B        | S-P 40T | 25        | 558,000       |
|                | S-P 50T | 33.3      |               |
|                | S-P 60T | 45        |               |
|                | S-P 80T | 60        |               |

**CONTACTOR RELAY**

| Mã hàng | Tiếp điểm phụ                               | Đơn giá (VND) |
|---------|---------------------------------------------|---------------|
| SR-P40  | 4NO / 3NO 1NC / 2NO 2NC                     | 392,000       |
| SR-P50  | 5NO / 4NO 1NC / 3NO 2NC / 2NO 3NC           | 458,000       |
| SR-P80  | 8NO / 7NO 1NC / 6NO 2NC / 5NO 3NC / 4NO 4NC | 576,000       |

**KHỞI ĐỘNG TỪ KÉP**

| Chuyên dùng cho cửa cuốn (Chuyển động thuận, nghịch) | Đơn giá (VND) |
|------------------------------------------------------|---------------|
| RC-11C Coil : 220 or 380VAC                          | 1,118,000     |

**MANUAL MOTOR STARTER = MCB + OVERLOAD (3P)**

| Mã hàng     | Current In (A) | HP 3φ 380V | Đơn giá (VND) |
|-------------|----------------|------------|---------------|
| MR-32S-0.16 | 0.1~0.16       | 1/30       | 650,000       |
| MR-32S-0.25 | 0.16~0.25      | 1/19       |               |
| MR-32S-0.4  | 0.25~0.4       | 1/8        |               |
| MR-32S-0.63 | 0.4~0.63       | 1/4        |               |
| MR-32S-1    | 0.63~1         | 1/3        |               |
| MR-32S-1.6  | 1~1.6          | 1/2        |               |
| MR-32S-2.5  | 1.6~2.5        | 1          |               |
| MR-32S-4    | 2.5~4          | 2          |               |
| MR-32S-6.3  | 4~6.3          | 3          | 670,000       |
| MR-32S-10   | 6~10           | 4~5        |               |
| MR-32S-14   | 9~14           | 5~7.5      |               |
| MR-32S-18   | 13~18          | 10         |               |
| MR-32S-23   | 17~23          | 15         |               |
| MR-32S-25   | 20~25          | 15(16)     |               |
| MR-32S-32   | 24~32          | 20         |               |



## Capacitor Unit



| Capacitor Unit | Magnetic Contactor | Maximum operating power(kvar) |          |          |
|----------------|--------------------|-------------------------------|----------|----------|
|                |                    | 220~240V                      | 400~440V | 660~690V |
| AP-40 A        | S-P11              | 6.7                           | 12.5     | 18       |
|                | S-P16              | 8.5                           | 16.7     | 24       |
|                | S-P21              | 10                            | 20       | 30       |
| AP-40 B        | S-P40T             | 15                            | 25       | 36       |
|                | S-P50T             | 20                            | 33.3     | 48       |
|                | S-P60T             | 25                            | 45       | 58       |
|                | S-P80T             | 35                            | 60       | 75       |

## Manual Motor Starter

**Side AX** (MR-AN)



**Front AX** (MR-AE)



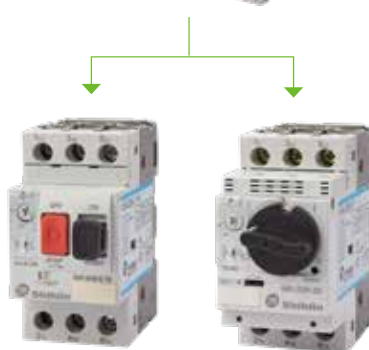
**SHT** (MR-AS)



**UVT** (MR-AU)



**AL** (MR-AM)  
(For Magnetic Trip)



**MMS**



**Special Discount**

**MCB**

| RPC (MCB) IEC60898 / IEC60947-2 (6kA) |    |                      |               |
|---------------------------------------|----|----------------------|---------------|
| Mã hàng                               | P  | Dòng định mức (A)    | Đơn giá (VND) |
| RPC                                   | 1P | 6-10-16-20-25-32-40A | 64,000        |
|                                       |    | 50-63A               | 67,000        |
| RPC                                   | 2P | 6-10-16-20-25-32-40A | 137,000       |
|                                       |    | 50-63A               | 141,000       |
| RPC                                   | 3P | 6-10-16-20-25-32-40A | 221,000       |
|                                       |    | 50-63A               | 227,000       |
| RPC                                   | 4P | 6-10-16-20-25-32-40A | 355,000       |
|                                       |    | 50-63A               | 402,000       |

| RPC-H (MCB) IEC60898 / IEC60947-2 (10kA) |    |                      |               |
|------------------------------------------|----|----------------------|---------------|
| Mã hàng                                  | P  | Dòng định mức (A)    | Đơn giá (VND) |
| RPC-H                                    | 1P | 6-10-16-20-25-32-40A | 106,000       |
|                                          |    | 50-63A               | 128,000       |
| RPC-H                                    | 2P | 6-10-16-20-25-32-40A | 221,000       |
|                                          |    | 50-63A               | 271,000       |
| RPC-H                                    | 3P | 6-10-16-20-25-32-40A | 357,000       |
|                                          |    | 50-63A               | 487,000       |
| RPC-H                                    | 4P | 6-10-16-20-25-32-40A | 584,000       |
|                                          |    | 50-63A               | 710,000       |

| RPL (RCBO) IEC61009-1 |      |                   |               |
|-----------------------|------|-------------------|---------------|
| Mã hàng               | P    | Dòng định mức (A) | Đơn giá (VND) |
| RPL                   | 1P+N | 6.10.16.20A       | 336,000       |
|                       |      | 25.32A            | 357,000       |
|                       |      | 40.50.63A         | 620,000       |

| RPV (RCCB) IEC61008-1 |      |                   |               |
|-----------------------|------|-------------------|---------------|
| Mã hàng               | P    | Dòng định mức (A) | Đơn giá (VND) |
| RPV                   | 1P+N | 16.20.25.32.40A   | 630,000       |
|                       |      | 63A               | 641,000       |
| RPV                   | 3P+N | 16.20.25.32.40A   | 788,000       |
|                       |      | 63A               | 872,000       |

\* Rated residual current: 10, 15, 30, 100, 300mA

| Product                |                             | MCB                               |                  | RCCB                         | RCBO                              |
|------------------------|-----------------------------|-----------------------------------|------------------|------------------------------|-----------------------------------|
|                        |                             | RPC                               | RPC-H            | RPV                          | RPL                               |
| Protection             |                             | Overload, Instantaneous           |                  | Leakage                      | Overload, Instantaneous, Leakage  |
| Frame size             |                             | 63AF                              |                  | 63AF                         | 63AF                              |
| Rated current          |                             | 6, 10, 16, 20, 25, 32, 40, 50, 63 |                  | 16,20,25, 32, 40, 63         | 6, 10, 16, 20, 25, 32, 40, 50, 63 |
| Instantaneous curve    |                             | B,C,D Type, 8~12In                |                  | -                            | C, D Type                         |
| Poles                  |                             | 1, 2, 3, 4 Pole                   |                  | 1P+N, 3P+N                   | 1P+N                              |
| Rated Voltage          |                             | 1P: AC240/415V<br>2~4P: AC415V    |                  | 1P+N: AC240V<br>3P+N: AC415V | 2P: 240V~                         |
| Breaking Capacity      |                             | 6kA @240/415Vac                   | 10kA @240/415Vac | Inc=6kA, 10kA                | 6kA                               |
| Rated residual current | Operation I $\Delta$ n      | -                                 |                  | 10, 15, 30, 100, 300mA       | 10, 15, 30, 100, 300mA            |
|                        | Non-operation I $\Delta$ no | -                                 |                  | 0.5I $\Delta$ n              | 0.5I $\Delta$ n                   |
| Standard               |                             | IEC60898-1, IEC60947-2            |                  | IEC61008-1                   | IEC61009-1                        |
| Ui                     |                             | 500V                              |                  | 500V                         | 500V                              |
| Uimp                   |                             | 6KV                               |                  | 4KV                          | 4KV                               |
| Trip Unit              |                             | Thermal magnetic                  |                  | Electro-magnetic             | Electronic                        |
| Mechanical life        |                             | 20000                             |                  | 10000                        | 10000                             |
| Electrical life        |                             | 4000                              |                  | 3000                         | 3000                              |



**RPC**  
Series

**Feature:**

- Overload & instantaneous protection
- Comply with IEC 60898-1 & IEC60947-2
- Window display for ON/OFF status
- Din-rail TH35mm tool free installation



**RPV**  
Series

**Feature:**

- Leakage protection
- Comply with IEC61008-1
- Window display for ON/OFF status and leakage indicator
- Leakage test bottom
- Din-rail TH35mm tool free installation



**RPL**  
Series

**Feature:**

- Overload, instantaneous & Leakage protection
- Comply with IEC 61009-1
- Window display for leakage indicator
- Leakage test bottom
- Din-rail TH35mm tool free installation

MCB (CB Tép) Tiêu chuẩn IEC60898 Màu trắng (6kA)

| Mã hàng | P  | Dòng định mức (A)    | kA | Đơn giá (VND) |
|---------|----|----------------------|----|---------------|
| BHA-B3  | 1P | 6.10.16.20.25.32.40A | 6  | 94,000        |
|         |    | 50.63A               |    | 98,000        |
|         | 2P | 6.10.16.20.25.32.40A |    | 200,000       |
|         |    | 50.63A               |    | 206,000       |
|         | 3P | 6.10.16.20.25.32.40A |    | 323,000       |
|         |    | 50.63A               |    | 334,000       |
|         | 4P | 6.10.16.20.25.32.40A |    | 495,000       |
|         |    | 50.63A               |    | 565,000       |

MCB (CB Tép) Tiêu chuẩn IEC60898 Màu trắng (10kA)

| Mã hàng | P  | Dòng định mức (A)    | kA | Đơn giá (VND) |
|---------|----|----------------------|----|---------------|
| BHA-B4  | 1P | 6.10.16.20.25.32.40A | 10 | 135,000       |
|         |    | 50.63A               |    | 162,000       |
| BHA125  | 1P | 80.100A              |    | 260,000       |
|         |    | 125A                 |    | 337,000       |
| BHA-B4  | 2P | 6.10.16.20.25.32.40A |    | 295,000       |
|         |    | 50.63A               |    | 355,000       |
| BHA125  | 2P | 80.100A              |    | 597,000       |
|         |    | 125A                 |    | 611,000       |
| BHA-B4  | 3P | 6.10.16.20.25.32.40A |    | 460,000       |
|         |    | 50.63A               |    | 628,000       |
| BHA125  | 3P | 80.100A              |    | 928,000       |
|         |    | 125A                 |    | 948,000       |
| BHA-B4  | 4P | 6.10.16.20.25.32.40A |    | 752,000       |
|         |    | 50.63A               |    | 935,000       |
| BHA125  | 4P | 80.100A              |    | 1,214,000     |
|         |    | 125A                 |    | 1,310,000     |

CB Chống giật (RCBO) Tiêu chuẩn IEC60947 30mA 0.1s

| Mã hàng | P    | Dòng định mức (A) | kA | Đơn giá (VND) |
|---------|------|-------------------|----|---------------|
| BHL-A   | 1P+N | 6.10.16.20A       | 6  | 460,000       |
|         |      | 25.32A            |    | 490,000       |
|         |      | 40.50.63A         |    | 780,000       |
| BHL     | 2P   | 6.10.16.20A       |    | 748,000       |
|         |      | 25.32A            |    | 780,000       |
|         |      | 40.50.63A         |    | 830,000       |
| BHL     | 3P   | 6.10.16.20.25.32A |    | 980,000       |
|         |      | 40.50.63A         |    | 1,120,000     |
|         |      | 6.10.16.20.25.32A |    | 1,100,000     |
| BHL     | 4P   | 6.10.16.20.25.32A |    | 1,100,000     |
|         |      | 40.50.63A         |    | 1,370,000     |

CB Chống giật (RCB) Tiêu chuẩn IEC60947 30mA 0.1s

| Mã hàng | P  | Dòng định mức (A) | Đơn giá (VND) |
|---------|----|-------------------|---------------|
| BHR-A   | 2P | 25.32.40A         | 712,000       |
|         |    | 63A               | 725,000       |
|         |    | 25.32.40A         | 933,000       |
| BHR-A   | 4P | 63A               | 1,037,000     |

CB Chống giật (RCCB) Tiêu chuẩn CNS 14816-2 30mA 0.1s

| Mã hàng | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|---------|----|-------------------|-----|---------------|
| BL-KF   | 2P | 15.20.30A         | 1.5 | 501,000       |
| BL-K30F | 3P |                   |     | 788,000       |
| NV-BF   | 2P | 15.20.30A         | 1.5 | 398,000       |

BL-BF

| Mã hàng        | P  | Dòng định mức (A) | Đơn giá (VND) |
|----------------|----|-------------------|---------------|
| BL-BF C (MCB)  | 2P | 15.20.30A         | 96,000        |
| BL-BF V (RCCB) |    |                   | 237,000       |
| BL-BF L (RCBO) |    |                   | 333,000       |

CB Chống giật (RCBO) Tiêu chuẩn CNS 14816-2 30mA 0.1s

| Mã hàng  | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|----------|----|-------------------|----|---------------|
| NVB-50L  | 2P |                   |    | 766,000       |
| NVB-50UL | 1P | 15.20.30.40.50A   | 5  | 628,000       |
| NVB-50UL | 2P |                   | 10 | 1,045,000     |

SMC (Automatic)

| Mã hàng | P  | Dòng định mức (A) | Đơn giá (VND) |
|---------|----|-------------------|---------------|
| SMC     | 2P | 16A               | 221,000       |
|         |    | 25A               |               |
|         |    | 40A               | 476,000       |
|         |    | 63A               |               |
|         | 4P | 16A               | 408,000       |
|         |    | 25A               |               |
|         |    | 40A               | 654,000       |
|         |    | 63A               |               |

SMC(Manual)

| Mã hàng | P  | Dòng định mức (A) | Đơn giá (VND) |
|---------|----|-------------------|---------------|
| SMC     | 2P | 16A               | 301,000       |
|         |    | 25A               |               |
|         |    | 40A               | 613,000       |
|         |    | 63A               |               |
|         | 4P | 16A               | 534,000       |
|         |    | 25A               |               |
|         |    | 40A               | 825,000       |
|         |    | 63A               |               |

MCB (CB Tép) Tiêu chuẩn CNS14816-2 Màu đen

| Mã hàng | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|---------|----|-------------------|----|---------------|
| BP      | 1P | 15.20.30.40.50A   | 5  | 124,000       |
|         |    | 60.75.100A        |    | 228,000       |
| BP      | 2P | 15.20.30.40.50A   |    | 258,000       |
|         |    | 60.75.100A        |    | 444,000       |
| BP      | 3P | 15.20.30.40.50A   |    | 435,000       |
|         |    | 60.75.100A        |    | 810,000       |
| BPH     | 1P | 15.20.30.40.50A   | 10 | 190,000       |
| BPH     | 2P | 15.20.30.40.50A   |    | 340,000       |
|         |    | 60.75.100A        |    | 585,000       |
| BPH     | 3P | 15.20.30.40.50A   |    | 632,000       |
|         |    | 60.75.100A        |    | 1,200,000     |



## Closing coil unit



| Closing Coil |         |
|--------------|---------|
| CMD01        | AC 380V |
| CMD02        | AC 220V |
| CMD03        | DC 220V |
| CMD04        | DC 110V |
| CMD05        | AC 110V |

## Shunt release unit



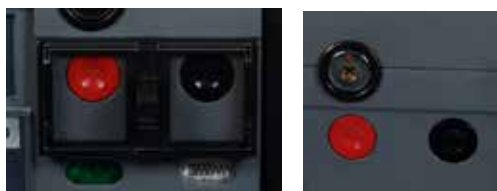
| Shunt Trip |         |
|------------|---------|
| SHT01      | AC 380V |
| SHT02      | AC 220V |
| SHT03      | DC 220V |
| SHT04      | DC 110V |
| SHT05      | AC 110V |

## Under voltage trip unit



| Under Voltage Trip |                       |
|--------------------|-----------------------|
| UVT01              | Instantaneous AC 380V |
| UVT02              | Delay AC 380V         |
| UVT03              | Instantaneous AC 220V |
| UVT04              | Delay AC 220V         |
| UVT05              | Instantaneous AC 110V |
| UVT06              | Delay AC 110V         |

## Locking device



| Locks |                 |
|-------|-----------------|
| LOK01 | 3 Locks, 2 Keys |
| LOK03 | Button Lock     |
| LOK04 | Racking Lock    |
| LOK05 | Key Lock        |
| LOK07 | 2 Locks, 1 Key  |

## Mechanical interlock device



| Mechanical Interlock |                                       |
|----------------------|---------------------------------------|
| MIL01                | Drawout, Vertical, For 2              |
| MIL02                | Drawout, Horizontal, For 2, W/O cable |
| MIL03                | Fixed, Vertical, For 2                |
| MIL04                | Fixed, Horizontal, For 2, W/O cable   |
| MIL05                | Drawout, Vertical, For 3              |
| MIL06                | Fixed, Vertical, For 3                |
| MIL07                | Drawout, Horizontal, Ø2.5mm*1.5m      |
| MIL08                | Fixed, Horizontal, Ø2.5mm*1.5m        |
| MIL09                | Drawout, Horizontal, For 3            |

## Giá bán đã bao gồm thuế VAT 10%

**ACB**

### ACB 3P FIXED có phụ kiện gồm: MD, CC, SHT, AX5C

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 3P | 630A              | 65 | 42,800,000    |
|            |    | 800A              |    | 42,800,000    |
|            |    | 1000A             |    | 44,700,000    |
|            |    | 1250A             |    | 46,500,000    |
|            |    | 1600A             |    | 50,400,000    |

### ACB 3P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX5C

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 3P | 630A              | 65 | 58,000,000    |
|            |    | 800A              |    | 58,000,000    |
|            |    | 1000A             |    | 59,100,000    |
|            |    | 1250A             |    | 61,100,000    |
|            |    | 1600A             |    | 66,500,000    |

### ACB 3P FIXED có phụ kiện gồm: MD, CC, SHT, AX6C

| Mã hàng    | P  | Dòng định mức (A) | kA      | Đơn giá (VND) |
|------------|----|-------------------|---------|---------------|
| BW 2000-HN | 3P | 630A              | 85      | 48,500,000    |
|            |    | 800A              |         | 48,500,000    |
|            |    | 1000A             |         | 49,900,000    |
|            |    | 1250A             |         | 52,500,000    |
|            |    | 1600A             |         | 58,000,000    |
| BW 3200-HN | 3P | 2000A             | 100     | 69,100,000    |
|            |    | 2500A             |         | 80,300,000    |
| BW 4000-HN | 3P | 3200A             | 100     | 97,100,000    |
|            |    | 4000A             |         | 132,000,000   |
| BW 6300-HN | 3P | 5000A             | 120/100 | 206,800,000   |
|            |    | 6300A             |         | 228,000,000   |

### ACB 3P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX6C

| Mã hàng    | P  | Dòng định mức (A) | kA      | Đơn giá (VND) |
|------------|----|-------------------|---------|---------------|
| BW 2000-HN | 3P | 630A              | 85      | 61,800,000    |
|            |    | 800A              |         | 61,800,000    |
|            |    | 1000A             |         | 64,000,000    |
|            |    | 1250A             |         | 67,000,000    |
|            |    | 1600A             |         | 71,400,000    |
| BWA 2500   | 3P | 2000A             | 100     | 75,500,000    |
|            |    | 2500A             |         | 96,000,000    |
| BW 3200-HN | 3P | 3200A             | 100     | 99,500,000    |
|            |    | 4000A             |         | 120,000,000   |
| BW 4000-HN | 3P | 5000A             | 120/100 | 203,800,000   |
|            |    | 6300A             |         | 258,500,000   |
| BW 6300-HS | 3P | 5000A             | 120/100 | 311,700,000   |
|            |    | 6300A             |         | 311,700,000   |

### Phụ kiện ACB

| Mã hàng                               | Đơn giá (VND) |
|---------------------------------------|---------------|
| Tiếp điểm (AUX)                       | 3,000,000     |
| Cuộn cắt (SHT)                        | 3,000,000     |
| Cuộn đóng (CC)                        | 3,000,000     |
| Motor nạp (MD)                        | 4,000,000     |
| UVT Bộ bảo vệ thấp áp delay 5 sec     | 9,818,000     |
| Khóa liên động 2-way (Dùng cho 2 ACB) | 22,523,000    |
| Khóa liên động 3-way (Dùng cho 3 ACB) | 34,650,000    |
| Bảng điều khiển dùng cho ATS          | 15,750,000    |

### ACB 4P FIXED có phụ kiện gồm: MD, CC, SHT, AX5C

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 4P | 630A              | 65 | 48,000,000    |
|            |    | 800A              |    | 48,000,000    |
|            |    | 1000A             |    | 49,800,000    |
|            |    | 1250A             |    | 50,800,000    |
|            |    | 1600A             |    | 55,900,000    |

### ACB 4P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX5C

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 4P | 630A              | 65 | 63,000,000    |
|            |    | 800A              |    | 63,000,000    |
|            |    | 1000A             |    | 64,500,000    |
|            |    | 1250A             |    | 68,000,000    |
|            |    | 1600A             |    | 71,000,000    |

### ACB 4P FIXED có phụ kiện gồm: MD, CC, SHT, AX6C

| Mã hàng    | P  | Dòng định mức (A) | kA      | Đơn giá (VND) |
|------------|----|-------------------|---------|---------------|
| BW 2000-HN | 4P | 630A              | 85      | 57,800,000    |
|            |    | 800A              |         | 57,800,000    |
|            |    | 1000A             |         | 59,000,000    |
|            |    | 1250A             |         | 60,100,000    |
|            |    | 1600A             |         | 68,000,000    |
| BW 3200-HN | 4P | 2000A             | 100     | 76,700,000    |
|            |    | 2500A             |         | 88,700,000    |
| BW 4000-HN | 4P | 3200A             | 100     | 106,700,000   |
|            |    | 4000A             |         | 151,800,000   |
| BW 6300-HN | 4P | 5000A             | 120/100 | 255,200,000   |
|            |    | 6300A             |         | 281,600,000   |

### ACB 4P DRAW OUT có phụ kiện gồm: MD, CC, SHT, AX6C

| Mã hàng    | P  | Dòng định mức (A) | kA      | Đơn giá (VND) |
|------------|----|-------------------|---------|---------------|
| BW 2000-HN | 4P | 630A              | 85      | 68,000,000    |
|            |    | 800A              |         | 68,000,000    |
|            |    | 1000A             |         | 71,000,000    |
|            |    | 1250A             |         | 72,600,000    |
|            |    | 1600A             |         | 80,400,000    |
| BWA 2500   | 4P | 2000A             | 100     | 91,100,000    |
|            |    | 2500A             |         | 109,100,000   |
| BW 3200-HN | 4P | 3200A             | 100     | 110,300,000   |
|            |    | 4000A             |         | 128,300,000   |
| BW 4000-HN | 4P | 5000A             | 120/100 | 251,800,000   |
|            |    | 6300A             |         | 359,700,000   |



**Giá bán đã bao gồm thuế VAT 10%**

**ACB 3P FIXED không gồm phụ kiện: MD, CC, SHT, AX5C**

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 3P | 630A              | 65 | 32,800,000    |
|            |    | 800A              |    | 32,800,000    |
|            |    | 1000A             |    | 34,700,000    |
|            |    | 1250A             |    | 36,500,000    |
|            |    | 1600A             |    | 40,400,000    |

**ACB 3P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX5C**

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 3P | 630A              | 65 | 48,000,000    |
|            |    | 800A              |    | 48,000,000    |
|            |    | 1000A             |    | 49,100,000    |
|            |    | 1250A             |    | 51,100,000    |
|            |    | 1600A             |    | 56,500,000    |

**ACB 3P FIXED không gồm phụ kiện: MD, CC, SHT, AX6C**

| Mã hàng    | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|------------|----|-------------------|-----|---------------|
| BW 2000-HN | 3P | 630A              | 85  | 38,500,000    |
|            |    | 800A              |     | 38,500,000    |
|            |    | 1000A             |     | 39,900,000    |
|            |    | 1250A             |     | 42,500,000    |
|            |    | 1600A             |     | 48,000,000    |
| BW 3200-HN | 3P | 2000A             | 100 | 59,100,000    |
|            |    | 2500A             |     | 70,300,000    |
|            |    | 3200A             |     | 87,100,000    |

**ACB 3P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX6C**

| Mã hàng    | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|------------|----|-------------------|-----|---------------|
| BW 2000-HN | 3P | 630A              | 85  | 51,800,000    |
|            |    | 800A              |     | 51,800,000    |
|            |    | 1000A             |     | 54,000,000    |
|            |    | 1250A             |     | 57,000,000    |
|            |    | 1600A             |     | 61,400,000    |
|            |    | 2000A             |     | 65,500,000    |
| BWA 2500   | 3P | 2500A             | 100 | 86,000,000    |
| BW 3200-HN | 3P | 2500A             |     | 89,500,000    |
|            |    | 3200A             |     | 110,000,000   |
| BW 4000-HN | 3P | 4000A             |     | 193,800,000   |

**ACB 4P FIXED không gồm phụ kiện: MD, CC, SHT, AX5C**

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 4P | 630A              | 65 | 38,000,000    |
|            |    | 800A              |    | 38,000,000    |
|            |    | 1000A             |    | 39,800,000    |
|            |    | 1250A             |    | 40,800,000    |
|            |    | 1600A             |    | 45,900,000    |

**ACB 4P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX5C**

| Mã hàng    | P  | Dòng định mức (A) | kA | Đơn giá (VND) |
|------------|----|-------------------|----|---------------|
| BW 1600-SN | 4P | 630A              | 65 | 53,000,000    |
|            |    | 800A              |    | 53,000,000    |
|            |    | 1000A             |    | 54,500,000    |
|            |    | 1250A             |    | 58,000,000    |
|            |    | 1600A             |    | 61,000,000    |

**ACB 4P FIXED không gồm phụ kiện: MD, CC, SHT, AX6C**

| Mã hàng    | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|------------|----|-------------------|-----|---------------|
| BW 2000-HN | 4P | 630A              | 85  | 47,800,000    |
|            |    | 800A              |     | 47,800,000    |
|            |    | 1000A             |     | 49,000,000    |
|            |    | 1250A             |     | 50,100,000    |
|            |    | 1600A             |     | 58,000,000    |
| BW 3200-HN | 4P | 2000A             | 100 | 66,700,000    |
|            |    | 2500A             |     | 78,700,000    |
|            |    | 3200A             |     | 96,700,000    |

**ACB 4P DRAW OUT không gồm phụ kiện: MD, CC, SHT, AX6C**

| Mã hàng    | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|------------|----|-------------------|-----|---------------|
| BW 2000-HN | 4P | 630A              | 85  | 58,000,000    |
|            |    | 800A              |     | 58,000,000    |
|            |    | 1000A             |     | 61,000,000    |
|            |    | 1250A             |     | 62,600,000    |
|            |    | 1600A             |     | 70,400,000    |
|            |    | 2000A             |     | 81,100,000    |
| BWA 2500   | 4P | 2500A             | 100 | 99,100,000    |
| BW 3200-HN | 4P | 2500A             |     | 100,300,000   |
|            |    | 3200A             |     | 118,300,000   |
| BW 4000-HN | 4P | 4000A             |     | 241,800,000   |



Giá bán đã bao gồm thuế VAT 10%

ATS / SPD

**ATS Loại MCCB Tiêu chuẩn IEC60947-2 – Giá đã bao gồm bảng điều khiển**

| Mã hàng  | P  | Dòng định mức (A) | kA  | Đơn giá (VND) |
|----------|----|-------------------|-----|---------------|
| BS100SN  | 3P | 100A              | 15  | 15,592,000    |
| BS100HN  | 3P |                   | 30  | 19,291,000    |
| BS250SN  | 3P |                   | 30  | 22,192,000    |
| BS400SN  | 3P | 250.300.350.400A  | 35  | 38,438,000    |
| BS400HN  | 3P |                   | 50  | 38,582,000    |
| BS630LT  | 3P |                   | 42  | 57,655,000    |
| BS630HT  | 3P | 500.600.630A      | 50  | 67,083,000    |
| BS800SN  | 3P |                   | 50  | 73,320,000    |
| BS1000HS | 3P | 1000A             | 100 | 164,987,000   |
| BS1200HS | 3P | 1200A             | 100 | 187,469,000   |
| BS1600HS | 3P | 1400.1600A        | 100 | 224,457,000   |

**PC grade ATS 3P**

| Mã hàng   | Dòng định mức (A) | Đơn giá (VND) |
|-----------|-------------------|---------------|
| XSTN-63   | 20A/40A/63A       | 9,131,000     |
|           | 80A               |               |
| XSTN-125  | 100A              | 10,338,000    |
|           | 125A              |               |
| XSTN-250  | 160A/ 200A/ 250A  | 12,257,000    |
| XSTN-500  | 350A/ 450A/ 500A  | 28,840,000    |
| XSTN-800  | 630A              | 36,565,000    |
|           | 800A              | 45,320,000    |
| XSTN-1250 | 1000/1250A        | 58,710,000    |
|           | 1600A             | 74,160,000    |
| XSTN-2500 | 2000A             | 90,640,000    |
|           | 2500A             | 141,110,000   |
| XSTN-5000 | 3200A             | 319,300,000   |
|           | 4000A             | 339,900,000   |
|           | 5000A             | 391,400,000   |

**PC grade ATS 4P**

| Mã hàng   | Dòng định mức (A) | Đơn giá (VND) |
|-----------|-------------------|---------------|
| XSTN-63   | 20A/40A/63A       | 12,360,000    |
|           | 80A               |               |
| XSTN-125  | 100A              | 13,493,000    |
|           | 125A              |               |
| XSTN-250  | 160A/ 200A/ 250A  | 14,420,000    |
| XSTN-500  | 350A/ 450A/ 500A  | 31,930,000    |
| XSTN-800  | 630A              | 40,170,000    |
|           | 800A              | 47,380,000    |
| XSTN-1250 | 1000/1250A        | 71,070,000    |
|           | 1600A             | 81,370,000    |
| XSTN-2500 | 2000A             | 112,270,000   |
|           | 2500A             | 149,350,000   |
| XSTN-5000 | 3200A             | 350,200,000   |
|           | 4000A             | 391,400,000   |
|           | 5000A             | 484,100,000   |

**PC grade ATS controller**

| Mã hàng          | Đơn giá (VND) |
|------------------|---------------|
| XST-5 (Standard) | 4,120,000     |
| XST-6 (LCD)      | 5,356,000     |

**Chống sét lan truyền**

| Mã hàng                  | Imax (kA) | μs     | Đơn giá (VND) |           |            |            |            |            |
|--------------------------|-----------|--------|---------------|-----------|------------|------------|------------|------------|
|                          |           |        | 1P            | 2P(1P+N)  | 1P+PE      | 3P         | 4P (3P+N)  | 3P+PE      |
| BHP20M2                  | 20        | 8/20   | 1,000,000     | 1,300,000 | 1,430,000  | 1,600,000  | 2,500,000  | 3,150,000  |
| BHP40M2                  | 40        |        | 1,200,000     | 1,500,000 | 1,710,000  | 1,850,000  | 3,500,000  | 3,950,000  |
| BHP65M2                  | 65        |        | 1,400,000     | 1,700,000 | 1,860,000  | 2,150,000  | 3,780,000  | 4,240,000  |
| BHP80M2                  | 80        |        | 1,570,000     | 1,910,000 | 2,470,000  | 2,980,000  | 4,160,000  | 4,950,000  |
| BHP100M2                 | 100       |        | 1,790,000     | 2,460,000 | 2,970,000  | 3,750,000  | 5,050,000  | 5,710,000  |
| BHP-250                  | 250       | 10/350 | 5,120,000     | 9,980,000 | 11,200,000 | 14,500,000 | 16,800,000 | 20,000,000 |
| Counter-Bộ đếm TAD-04-99 |           |        | 4,700,000     |           |            |            |            |            |

**Đồng hồ đa năng: IEC 62052-22 (Loại tiêu chuẩn)**

| Mã hàng | Đơn giá (VND) |
|---------|---------------|
| DM40-SV | 4,320,000     |

**Đồng hồ đa năng: IEC 62052-22 (Loại giao tiếp)**

| Mã hàng                    | Đơn giá (VND) |
|----------------------------|---------------|
| DM40-HV                    | 5,040,000     |
| DM40-HV RS485 module       | 1,080,000     |
| DM40-HV Lora module        | 1,440,000     |
| DM40-HV Analog I/O module  | 1,080,000     |
| DM40-HV Digital I/O module | 720,000       |



Shihlin Inverter Comparison Table

| Series                                                       |                                           | SL3                                           | SC3                                                                                  | SS2                                                 | SE3                                                    | SF3                                                                     | SA3                                                                     |
|--------------------------------------------------------------|-------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Voltage & Capacity                                           | 1ø 200~240V                               | 0.4~2.2kW                                     | 0.2~2.2kW                                                                            | 0.4~2.2kW                                           | 0.4~2.2kW                                              | -                                                                       | -                                                                       |
|                                                              | 3ø 200~240V                               | -                                             | 0.2~3.7kW                                                                            | 0.4~3.7kW                                           | 0.4~15kW                                               | -                                                                       | 0.75~132kW                                                              |
|                                                              | 3ø 380~480V                               | 0.4~2.2kW                                     | 0.4 ~ 22kW                                                                           | 0.4~5.5kW                                           | 0.4~22kW                                               | 3.7~355kW                                                               | 0.75~355kW                                                              |
| Control Mode                                                 | V/F                                       | ○                                             | ○                                                                                    | ○                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | SVPWM                                     | -                                             | ○                                                                                    | ○                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | General Flux Vector Control               | -                                             | ○                                                                                    | ○                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | Sensorless Vector Control                 | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | Closed-loop V/F Control (with PG card)    | -                                             | -                                                                                    | -                                                   | ○                                                      | -                                                                       | ○                                                                       |
|                                                              | Closed-loop Vector Control (with PG card) | -                                             | -                                                                                    | -                                                   | ○                                                      | -                                                                       | ○                                                                       |
|                                                              | Torque Control (with PG card)             | -                                             | -                                                                                    | -                                                   | ○                                                      | -                                                                       | ○                                                                       |
| Overload Current Rating<br>HD: Heavy Duty<br>ND: Normal Duty |                                           | 150% 60s,<br>200%1s                           | For Frame A/B:<br>150% 60s, 200%1s<br>For Frame C/D:<br>HD: 150% 60s<br>ND: 120% 60s | 150% 60s,<br>200%1s                                 | HD: 150% 60s,<br>200% 3s<br>ND: 120% 60s,<br>150% 3s   | HD: 150% 60s<br>ND: 120% 60s                                            | HD: 150% 60s,<br>200% 3s<br>ND: 120% 60s                                |
| Input Terminal                                               | Digital                                   | 4 (SINK)                                      | 4 (SINK/SOURCE)                                                                      | 6 (SINK/SOURCE)                                     | 6 (SINK/SOURCE)                                        | 10 (SINK/SOURCE)                                                        | 10 (SINK/SOURCE)                                                        |
|                                                              | Analog                                    | 1 point<br>(V/I switchable)<br>(4~20mA/0~10V) | 1 point<br>(V/I switchable)<br>(4~20mA/0~10V)                                        | 2 points<br>(V/I switchable)<br>(4~20mA/0~10V/0~5V) | 2 points<br>(V/I switchable)<br>(4~20mA/0~10V/-10~10V) | 3 points<br>(V/I switchable)<br>(0~20mA/0~10V/-10~10V)                  | 3 points<br>(V/I switchable)<br>(4~20mA/0~10V/-10~10V)                  |
|                                                              | Pulse                                     | -                                             | -                                                                                    | -                                                   | 1 point<br>(0~100kHz)<br>(Using D/I M2)                | 1 point<br>(0~100kHz)<br>(Using D/I HDI)                                | 1 point<br>(0~100kHz)<br>(Using D/I HDI)                                |
| Output Terminal                                              | Relay                                     | 1 point (A/C)                                 | 1 point (A/C)                                                                        | 1 point<br>(A/B/C)                                  | 1 point<br>(A/B/C)                                     | 2 points<br>(A/B/C, A/B/C)                                              | 2 points<br>(A/B/C, A/B/C)                                              |
|                                                              | Open Collector                            | -                                             | -                                                                                    | 1 point                                             | 1 point                                                | 2 points                                                                | 2 points                                                                |
|                                                              | Analog                                    | -                                             | -                                                                                    | 1 point<br>(PWM voltage)<br>(DC 0~10V)              | 1 point<br>(0~10V/0~20mA/4~20mA)                       | 2 points<br>(0~10V/0~20mA)                                              | 2 points<br>(0~10V/0~20mA)                                              |
|                                                              | Pulse                                     | -                                             | -                                                                                    | -                                                   | 1 point(0~100kHz)                                      | 1 point(0~100kHz)                                                       | 1 point(0~100kHz)                                                       |
| Braking Unit                                                 |                                           | -                                             | Built in:<br>Frame B and above model                                                 | Built in                                            | Built in                                               | Built in:<br>Frame A, B, C                                              | Built in:<br>Frame A, B, C                                              |
| RFI filter                                                   |                                           | Built in<br>(Always on)                       | Built in                                                                             | Built in<br>(Always on)                             | Built in                                               | Built in                                                                | Built in                                                                |
| DC Reactor Connector                                         |                                           | -                                             | -                                                                                    | -                                                   | Built in:<br>Frame C and above                         | Built in                                                                | Built in                                                                |
| Communication Function<br>(Including Expansion Cards)        | Modbus RTU & ASCII<br>(Built in)          | ○                                             | ○                                                                                    | ○                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | Profibus DP                               | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | DeviceNet                                 | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | Ethernet                                  | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | Modbus TCP                                | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | CANopen                                   | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | EtherCAT                                  | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
|                                                              | I/O Expansion                             | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
| Detachable Keypad                                            |                                           | -                                             | -                                                                                    | -                                                   | ○                                                      | ○                                                                       | ○                                                                       |
| Certification                                                |                                           | CE                                            | CE                                                                                   | CE                                                  | CE                                                     | CE                                                                      | CE                                                                      |
| Enclosure Type                                               |                                           | IP20                                          | IP20                                                                                 | IP20                                                | IP20                                                   | Frame A, B, C:<br>IP20<br>Frame D and above: IP00<br>(IP20 is optional) | Frame A, B, C:<br>IP20<br>Frame D and above: IP00<br>(IP20 is optional) |

SL3



SC3



SS2



SE3

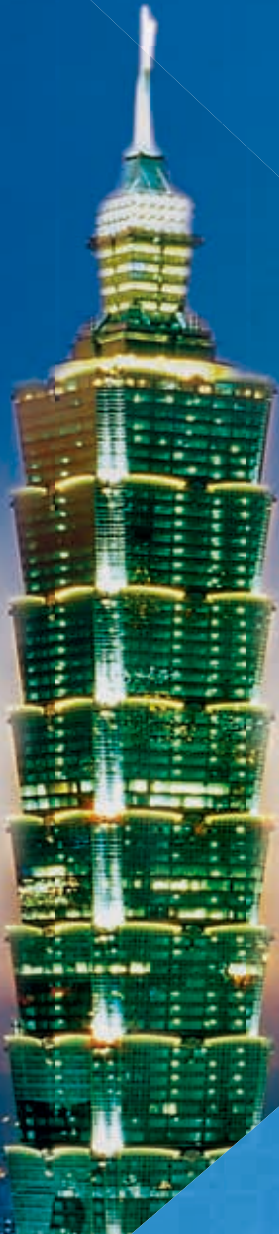


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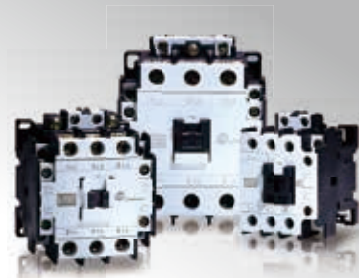
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