

# Switchboards & enclosures

## section 15

Cat No.

Please note that not all products are available ex-stock and are made to order.  
For availability please check with your nearest HPM of ce.

Std  
Pk

HE4120



HE4220



HE4320



H6110



H6210



HE6320



### MCBs - Miniature circuit breakers

C curve. Thermal magnetic. Current limiting. Complies with AS/NZS 4898, IEC 60898. 35mm DIN rail mounting.

#### 1 pole, 4.5kA, C Curve, 240V

Size 18mm (1 module).

|        |                                                        |   |
|--------|--------------------------------------------------------|---|
| HE4106 | 6A, 1 pole 4.5kA, C Curve, miniature circuit breaker   | 1 |
| HE4110 | 10A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4113 | 13A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4116 | 16A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4120 | 20A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4125 | 25A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4132 | 32A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4140 | 40A, 1 pole 4.5kA, C Curve, miniature circuit breaker  | 1 |
| HE4150 | 50A, 1 pole, 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4163 | 63A, 1 pole, 4.5kA, C Curve, miniature circuit breaker | 1 |

#### 2 pole, 4.5kA, C Curve, 240/415V

Size 36mm (2 modules).

|        |                                                       |   |
|--------|-------------------------------------------------------|---|
| HE4210 | 10A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4216 | 16A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4220 | 20A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4225 | 25A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4232 | 32A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4240 | 40A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4250 | 50A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4263 | 63A, 2 pole 4.5kA, C Curve, miniature circuit breaker | 1 |

#### 3 pole, 4.5kA, C Curve, 240/415V

Size 54mm (3 modules).

|        |                                                       |   |
|--------|-------------------------------------------------------|---|
| HE4310 | 10A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4316 | 16A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4320 | 20A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4325 | 25A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4332 | 32A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4340 | 40A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4350 | 50A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |
| HE4363 | 63A, 3 pole 4.5kA, C Curve, miniature circuit breaker | 1 |

#### 1 pole, 6kA, C Curve, 240V

Size 18mm (1 module).

|       |                                           |    |
|-------|-------------------------------------------|----|
| H6106 | 6A, 1 pole 6kA miniature circuit breaker  | 12 |
| H6110 | 10A, 1 pole 6kA miniature circuit breaker | 12 |
| H6116 | 16A, 1 pole 6kA miniature circuit breaker | 12 |
| H6120 | 20A, 1 pole 6kA miniature circuit breaker | 12 |
| H6125 | 25A, 1 pole 6kA miniature circuit breaker | 12 |
| H6132 | 32A, 1 pole 6kA miniature circuit breaker | 12 |
| H6140 | 40A, 1 pole 6kA miniature circuit breaker | 12 |
| H6150 | 50A, 1 pole 6kA miniature circuit breaker | 12 |
| H6163 | 63A, 1 pole 6kA miniature circuit breaker | 12 |

#### 2 pole, 6kA, C Curve, 240/415V

Size 36mm (2 modules).

|       |                                           |   |
|-------|-------------------------------------------|---|
| H6210 | 10A, 2 pole 6kA miniature circuit breaker | 6 |
| H6216 | 16A, 2 pole 6kA miniature circuit breaker | 6 |
| H6220 | 20A, 2 pole 6kA miniature circuit breaker | 6 |
| H6225 | 25A, 2 pole 6kA miniature circuit breaker | 6 |
| H6232 | 32A, 2 pole 6kA miniature circuit breaker | 6 |
| H6240 | 40A, 2 pole 6kA miniature circuit breaker | 6 |
| H6250 | 50A, 2 pole 6kA miniature circuit breaker | 6 |
| H6263 | 63A, 2 pole 6kA miniature circuit breaker | 6 |

#### 3 pole, 6kA, C Curve, 240/415V

Size 54mm (3 modules).

|       |                                           |   |
|-------|-------------------------------------------|---|
| H6310 | 10A, 3 pole 6kA miniature circuit breaker | 4 |
| H6316 | 16A, 3 pole 6kA miniature circuit breaker | 4 |
| H6320 | 20A, 3 pole 6kA miniature circuit breaker | 4 |
| H6332 | 32A, 3 pole 6kA miniature circuit breaker | 4 |
| H6340 | 40A, 3 pole 6kA miniature circuit breaker | 4 |
| H6350 | 50A, 3 pole 6kA miniature circuit breaker | 4 |
| H6363 | 63A, 3 pole 6kA miniature circuit breaker | 4 |

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Std  
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H10ELM30-220



HE6ELM30-216



HE6XEL30-240



HE6XEL30-440



HCS232



H6SD



### MCB-RCDs (RCBOs)

#### Combined miniature circuit breaker and residual current device

Complies with AS/NZS 61009. C curve, current limiting MCB, 10kA, Magnetic operation RCD, type AC 30mA. 240~, 2 pole (A + N), 36mm wide (2 modules), 35mm DIN rail mounting.

|              |                                          |    |
|--------------|------------------------------------------|----|
| H10ELM30-210 | 10A, 2 pole, 10kA, 30mA combined MCB-RCD | 12 |
| H10ELM30-216 | 16A, 2 pole, 10kA, 30mA combined MCB-RCD | 12 |
| H10ELM30-220 | 20A, 2 pole, 10kA, 30mA combined MCB-RCD | 12 |

#### Combined miniature circuit breaker and residual current device

Complies with AS/NZS 61009. C curve, current limiting MCB, 6kA, Magnetic operation RCD, type AC 30mA. 240~, 1 pole + N. 36mm wide (2 modules). 35mm DIN rail mounting. HE series terminals are compatible with HE series MCBs and switches.

|              |                                         |   |
|--------------|-----------------------------------------|---|
| HE6ELM30-210 | 10A, 2 pole, 6kA, 30mA combined MCB-RCD | 1 |
| HE6ELM30-216 | 16A, 2 pole, 6kA, 30mA combined MCB-RCD | 1 |
| HE6ELM30-220 | 20A, 2 pole, 6kA, 30mA combined MCB-RCD | 1 |
| HE6ELM30-232 | 32A, 2 pole, 6kA, 30mA combined MCB-RCD | 1 |

### RCDs (RCCBs)

#### 2 pole Electresafe RCD switch (Type AC)

Residual Current Device. Complies with AS/NZS 61008.1. Type AC, Inc 6kA conditional short circuit rating. 36mm wide (2 modules). 35mm DIN rail mounting. HE series terminals are compatible with HE series MCBs and switches.

|              |                                              |    |
|--------------|----------------------------------------------|----|
| HE6XEL30-240 | 40A, 2 pole, 6kA, 30mA Electresafe RCD, 240V | 1  |
| HE6XEL30-263 | 63A, 2 pole, 6kA, 30mA Electresafe RCD, 240V | 1  |
| H6XEL30-280  | 80A, 2 pole, 6kA, 30mA Electresafe RCD, 240V | 12 |

#### 4 pole Electresafe RCD switch - magnetic

Can be connected 240/415V~ 3 phase, or 240V~ single phase. Test resistor must have voltage supply. All poles fault rated. 72mm wide (4 modules). 35mm DIN rail mounting. HE series terminals are compatible with HE series MCBs and switches.

|              |                                                             |   |
|--------------|-------------------------------------------------------------|---|
| H6XEL30-425  | 25A, 4 pole, 6 kA, 30mA Electresafe RCD, 3 phase or 1 phase | 6 |
| HE6XEL30-440 | 40A, 4 pole, 6 kA, 30mA Electresafe RCD, 3 phase or 1 phase | 1 |
| H6XEL30-480  | 80A, 4 pole, 6 kA, 30mA Electresafe RCD, 3 phase or 1 phase | 6 |

#### 2 pole Selective S Electresafe RCD switch

|              |                                          |   |
|--------------|------------------------------------------|---|
| H6SEL100-280 | 80A, 2 pole, 6 kA, 100mA Electresafe RCD | 1 |
|--------------|------------------------------------------|---|

### Changeover switches

#### 32A day-off-night

|        |                                           |    |
|--------|-------------------------------------------|----|
| HCS132 | 32A, 1 pole, 240-415V ~ changeover switch | 12 |
| HCS232 | 32A, 2 pole, 240-415V ~ changeover switch | 12 |

### Surge diverters (SPDs)

Size: 18mm wide (1 module). DIN rail mounting. Plug-in module.

#### Surge diverters

|       |                                                                                                                      |   |
|-------|----------------------------------------------------------------------------------------------------------------------|---|
| H6SD  | 250V 1 pole surge diverter. 275V max continuous rating. Diverts up to 40kA, 840 joules. Limits 6kV surges to 1.16kV. | 1 |
| H6SDM | Replacement module for H6SD surge diverter                                                                           | 1 |

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Std  
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787DIN



787DIN

### Standard Range powerpoints 230 - 240V a.c.

#### Single powerpoints, DIN rail mounting

Plate size: 67 x 44mm.

4 modules wide, 53mm projection.

10A single powerpoint with DIN bracket

10

787DIN15

15A single powerpoint with DIN bracket

10

HES380



HES163

#### Main switches for DIN mounting

240V ~ 1 pole, 415V~ 3 pole Reference standards AS3133 and AS 3947.3. Refer service rules for required size of consumers mains. HE series switch terminals are compatible with HE series MCBs and RCDs. 35mm DIN rail mounting.

#### HES series

Same height as HE Series MCBs and RCDs. Complies with IEC 947-3.

63A, 1 pole isolating switch, 240V

1

HES180

80A, 1 pole isolating switch, 240V

1

HES363

63A, 3 pole isolating switch, 415V

4

HES380

80A, 3 pole isolating switch, 415V

4

B135



### Main switches for surface mounting 240V ac ( Single Pole), 415V ac (2 & 3 Pole)

All HPM surface mounting main switches feature heavy duty, double break silver contacts and have line and load side tunnel type clamping terminals. The tunnel terminals take up to 25mm<sup>2</sup> conductors. Facilities are included to seal off line and load side terminal screws. All switches are M rated to AS3133 indicating their suitability for use on electric motors. Mounting holes: top right and bottom left corners. 60 x 16mm mounting centres.

#### 1 pole, 240 V

Size 26mm wide x 71mm high x 44mm deep.

B135

35A, 1 pole, back entry main switch, rated M120

10

B165

65A, 1 pole, back entry main switch, rated M150

10

B180

80A, 1 pole, back entry main switch, rated M150

10

F135

35A, 1 pole, front entry main switch, rated M120

10

F165

65A, 1 pole, front entry main switch, rated M150

10

F180

80A, 1 pole, front entry main switch, rated M150

10

B235



#### 2 pole, 415V

Size 52mm wide x 71mm high x 44mm deep.

B235

35A, 2 pole, back entry main switch, rated M120

5

B265

65A, 2 pole, back entry main switch, rated M150

5

B280

80A, 2 pole, back entry main switch, rated M150

5

F235

35A, 2 pole, front entry main switch, rated M120

5

F265

65A, 2 pole, front entry main switch, rated M150

5

F280

80A, 2 pole, front entry main switch, rated M150

5

B335



#### 3 pole, 415V

Size 52mm wide x 71mm high x 44mm deep.

B335

35A, 3 pole, back entry main switch, rated M120

5

B365

65A, 3 pole, back entry main switch, rated M150

5

B380

80A, 3 pole, back entry main switch, rated M150

5

F335

35A, 3 pole, front entry main switch, rated M120

5

F365

65A, 3 pole, front entry main switch, rated M150

5

F380

80A, 3 pole, front entry main switch, rated M150

5

32E



#### Switch labels

Size 8 x 20mm. To suit HPM surface mounting main switches or for marking switchboards. Standard labels available: MAIN, SUB-MAIN, HWS, LIGHT, RANGE, AIR COND, MIX CIR, ACTIVE, and NEUTRAL. Suf x Cat. No. number with the marking required. Eg. 32E MAIN. (Other markings can be supplied to special order.)

32E

Switch label. Specify.

1

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Std  
Pk

808/27



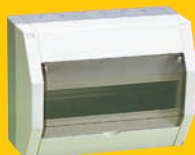
808/1



DCB120



HM12



HC02S



HEE12S



HEE12F



### Time switches

#### Time switches - DIN rail mounting

1 module wide.

808/26 24 hour synchronous time switch. Push tab adjustment. Contact rating 240V, 16A resistive, 4A inductive, 1.35kW incandescent lamps. Manual override switch.  
*Minimum switching period - 30 min.*

1

808/27 24 hour, or 7 day, 6 event digital time switch. Contact rating 16A, M40 at 240V ac. Manual override switch.  
*6 on/off programmes, 100hrs power reserve.*

4

#### Time switches - Surface mounting

808/1 24 hour synchronous time switch. Push tab adjustment. Contact rating 240V, 16A, M40 for motor loads. Manual override switch.  
*Minimum switching period - 30 min.*

4

### Plug-in circuit breakers 240V ac

#### Plug-in circuit breakers

Plugs into porcelain fuse bases to replace re-wireable fuse wedges.

DCB108 8A plug-in circuit breaker for 8A & 10A lighting circuits

5

DCB116 16A plug-in circuit breaker for 15A & 16A power circuits

5

DCB120 20A plug-in circuit breaker for 20A hot water & power circuits

5

DCB132 32A plug-in circuit breaker for 30A & 32A stove circuits

5

### Enclosures

#### HM surface mounting enclosures

204mm H. All supplied with door, neutral & earth bars, busbar, pole llers, label strips & 35mm DIN rail.

HM9 9 pole modular enclosure, 192mm W

1

HM12 12 pole modular enclosure, 246mm W

1

HM18 18 pole modular enclosure, 364mm W

1

HM24 24 pole modular enclosure, 462mm W

1

#### HC surface mounting enclosures

Will t into customer equipment area on NSW meter box panel. Complies AS3132, AS3000/2.21.1.2. (Separate neutral and earth bars on rear of meter box panel).

HC01S 1 pole

10

HC02S 2 pole

6

HC03S 3 pole

4

HC04S 4 pole

4

#### HEE surface mounting enclosures

All supplied with door, neutral & earth bars, busbar, pole llers, label strips & 35mm DIN rail.

HEE9S 9 pole surface enclosure, 214mm H x 225mm W x 104mm D

1

HEE12S 12 pole surface enclosure, 214mm H x 279mm W x 104mm D

1

HEE18S 18 pole surface enclosure, 214mm H x 383mm W x 104mm D

1

HEE24S 24 pole surface enclosure, 407mm H x 279mm W x 112mm D

1

#### HEE flush mounting enclosures

All supplied with door, neutral & earth bars, busbar, pole llers, label strips & 35mm DIN rail.

HEE9F 9 pole ush enclosure, 231mm H x 228mm W x 68mm D cut-out

1

HEE12F 12 pole ush enclosure, 223mm H x 282mm W x 68mm D cut-out

1

HEE18F 18 pole ush enclosure, 223mm H x 392mm W x 71mm D cut-out

1

HEE24F 24 pole ush enclosure, 362mm H x 282mm W x 68mm D cut-out

1

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HWEK8



HPF5



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|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|
|         | <b>Weatherproof enclosures - IP54</b><br>(IP65 with sealed conduit entry glands.) Blank sides for on-site drilling to suit speci c glands, bushes etc. Sealable clear polycarbonate clip down door. Supplied with neutral bar, earth bar, busbar, pole ller (6 pole, 12x9mm), number strip and 35mm DIN rail. Complies with AS3132, AS3000/2.21.1.2. |  |           |
| HWEK4   | 4 pole surface enclosure, 180mm H x 110mm W x 100mm D                                                                                                                                                                                                                                                                                                |  | 1         |
| HWEK8   | 8 pole surface enclosure, 180mm H x 182mm W x 110mm D                                                                                                                                                                                                                                                                                                |  | 1         |
| HWEK12  | 12 pole surface enclosure, 180mm H x 254mm W x 110mm D                                                                                                                                                                                                                                                                                               |  | 1         |
|         | <b>HM pole fillers</b><br>5 pole, (4 x 18mm & 2 x 9mm). Suits material thickness 1.5mm max.<br>Pole llers for HWEK & HC series, type V4 (4 pole, 8 x 9mm) available to special order.                                                                                                                                                                |  | 1         |
| HPF5    |                                                                                                                                                                                                                                                                                                                                                      |  |           |
| HEEPF5  | Bag of 4 x 18mm & 2 x 9mm pole llers.<br>Pole llers for HEE series.                                                                                                                                                                                                                                                                                  |  | 1         |