

## Low Voltage Circuit Protection & Switchgear

### Quicklag MCB

#### Quickmov™ surge protection device

Quickmov™ is an integrated Surge Protection Device (SPD), designed to protect single & multiphase electrical distribution systems against the damaging effects of voltage spikes & surges.

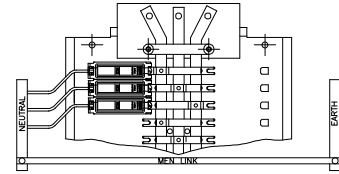
##### Key Features

- Surge rating 30kA Inom & 60kA Imax
- Integrated surge protection solution
- In-built HRC fusing
- Safe thermal disconnect
- Dual barrier flame retardant housing
- Fail safe status indicator
- Protection for M.E.N. & non-M.E.N. applications
- Designed in Australia Quickmov Surge Protection Device
- Mounts directly in any Quicklag™ panelboard
- Compatible with most Quicklag™ accessories (SPD50NGI is required for installations remote from the M.E.N. link).

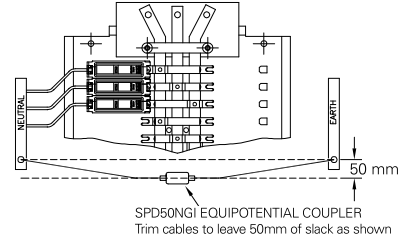
##### Dimensions

| Height | Width | Depth | Weight |
|--------|-------|-------|--------|
| 71 mm  | 25 mm | 93 mm | 0.3 kg |

##### Main board or M.E.N configuration



##### Distribution board or non M.E.N configuration



#### Quickmov™ surge protection device

| Description                                                   | Surge rating | Item no.        |
|---------------------------------------------------------------|--------------|-----------------|
| 1Pole 60kA Quickmov™ Surge Diverter                           | 60kA         | <b>SPDQM1</b>   |
| 50kA Neutral to Earth Surge Protector / Equipotential Coupler | 50kA         | <b>SPD50NGI</b> |

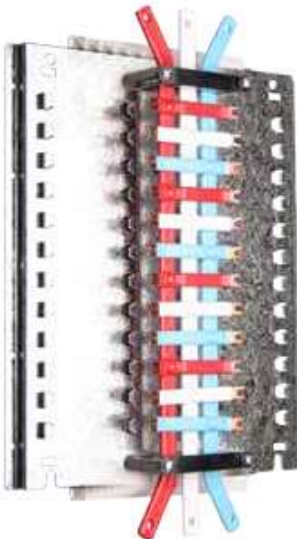
One Quickmov™ per phase is required for multi-phase installations.

#### Quicklag Chassis

Designed & tested to the requirements of AS1136.1, Quicklag chassis assemblies are available in a number of configurations. They are used by Eaton in Quicklag panelboards & by Original Equipment Manufacturer's in their own panelboard & switchboard assemblies throughout the electrical industry.

##### Short circuit withstand ratings

|              | Rating | Withstand        |
|--------------|--------|------------------|
| Standard     | 250A   | 20kA for 0.1 sec |
| Non-standard | 400A   | 20kA for 1.0 sec |



#### Chassis vertical & horizontal type - 250A rated

| Pole capacity | Item no. Vertical   | Height * (mm) | Item no. Horizontal | Height * (mm) |
|---------------|---------------------|---------------|---------------------|---------------|
| 12            | <b>Q12PV</b> Ⓢ      | 229           | <b>Q12PH</b>        | 229           |
| 18            | <b>Q18PV</b> Ⓢ      | 305           | <b>Q18PH</b>        | 305           |
| 24            | <b>Q24PV</b> Ⓢ      | 381           | <b>Q24PH</b>        | 381           |
| 30            | <b>Q30PV</b> Ⓢ      | 457           | <b>Q30PH</b>        | 457           |
| 36            | <b>Q36PV</b> Ⓢ      | 534           | <b>Q36PH</b>        | 534           |
| 42            | <b>Q42PV</b> Ⓢ      | 610           | <b>Q42PH</b>        | 610           |
| 48            | <b>Q48PV</b> Ⓢ      | 686           | <b>Q48PH</b>        | 686           |
| 60            | <b>Q60PV</b> Ⓢ      | 838           | <b>Q60PH</b>        | 838           |
| 72            | <b>Q72PV</b> Ⓢ      | 991           |                     |               |
| 78            | <b>Q78PV</b> Ⓢ      | 1067          |                     |               |
| 84            | <b>Q84PV</b> Ⓢ      | 1143          |                     |               |
| 96            | <b>Q96PV</b> Ⓢ      | 1291          |                     |               |
| 108           | <b>Q108PV-400</b> Ⓢ | 1444          |                     |               |

\* Busbars extend 42mm over top & bottom of mounting pan on Vertical type & left & right on horizontal.

Ⓢ For 400A option add -400 to end of item no. (example Q36PV-400)

Ⓢ 108 pole only available in 400A rating

#### Chassis with 100A main switch

| Pole capacity | Height (mm) | Width (mm) | Item no.       |
|---------------|-------------|------------|----------------|
| 12            | 305         | 332        | <b>Q12PVQT</b> |
| 24            | 457         | 332        | <b>Q24PVQT</b> |
| 36            | 610         | 332        | <b>Q36PVQT</b> |

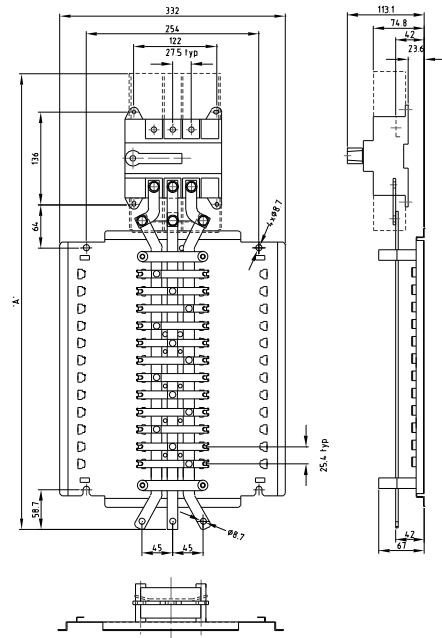
Non standard variations are available on request. Prices on application.

#### Chassis half-width type

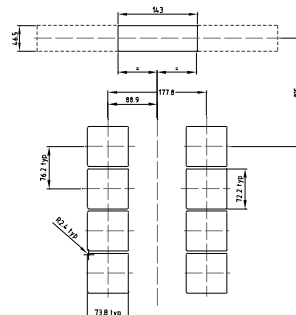
| Pole capacity | Item no. Vertical  | Height x Width* (mm) | Item no. Horizontal | Height x Width* (mm) |
|---------------|--------------------|----------------------|---------------------|----------------------|
| 12            | <b>1521-1560/1</b> | 381* x 230           | <b>1521-1561/1</b>  | 230 x 381*           |
| 18            | <b>1521-1560/2</b> | 534* x 230           | <b>1521-1561/2</b>  | 230 x 534*           |
| 24            | <b>1521-1560/3</b> | 686* x 230           | <b>1521-1561/3</b>  | 230 x 686*           |
| 30            | <b>1521-1560/4</b> | 838* x 230           | <b>1521-1561/4</b>  | 230 x 838*           |

\* Busbars extend 42mm over both sides of mounting pan. Half-Width Chassis are made to order.

### Quicklag dimensions

[illegible]

| Poles | Dimension A (mm) |
|-------|------------------|
| 24    | 671              |
| 36    | 823              |
| 48    | 976              |
| 60    | 1128             |
| 72    | 1281             |
| 84    | 1433             |
| 96    | 1585             |
| 108   | 1738             |



| Poles | Chassis vertical height Dim A (mm) | Chassis horizontal width Dim A (mm) |
|-------|------------------------------------|-------------------------------------|
| 12    | 313                                | 313                                 |
| 18    | 389                                | 389                                 |
| 24    | 465                                | 465                                 |
| 30    | 541                                | 541                                 |
| 36    | 618                                | 618                                 |
| 42    | 694                                | 694                                 |
| 48    | 770                                | 770                                 |
| 60    | 922                                | 922                                 |
| 72    | 1075                               | 1075                                |
| 78    | 1151                               | -                                   |
| 84    | 1127                               | -                                   |
| 96    | 1375                               | -                                   |
| 108   | 1528                               | -                                   |