

Enclosures and Chassis

Switchboards and enclosures are used to accommodate circuit protection devices such as circuit breakers; safety switches (RCDs), isolating switches, surge/over-voltage protection and other such products. They are installed in domestic, commercial and industrial applications. Domestic boards generally are plastic and in some applications are metal. They can be installed on the inside or outside of buildings. If installed on the outside they are often located inside metal meter boxes.

Switchboards shall:

- Be supplied with DIN rail or clip rail to mount circuit protection equipment on
- Have surface or flush mount facility
- Include a Neutral bar(s)
- Include an Earth bar (where required)
- Have cable access from rear, top, bottom
- Be provided with captive cover screws for plastic consumer switchboards
- Comply with IP ratings of AS 60529 where located externally to the building or in damp/dusty situations
- Have pole fillers to 'blank-off' front sections of switchboards ensuring there is no access into live electrical parts
- Have the ability to house equipment ranging from one module up to 60 modules wide (plastic boards) or 18-84 modules (metal consumer boards)
- Have the ability to house equipment ranging from 30 to 75 modules (metal distribution boards).

Chassis shall:

- Have industrial/commercial busbar chassis ranging from 12 to 84 pole
- Be provided with the colour coding of red, white and blue for each phase
- Be suitable for Clipsal 4 Series circuit protection equipment, including one and one and a half modules
- Suit Clipsal Power Range products with kA rating from 4.5kA to 25kA
- Have a total current rating from 250A to 350A.