

MCCB Panelboards

Switchgear Systems offer a customisation service on a range of wall mounting panelboards, MCCB's, meters and surge devices to suit customer requirements. We can offer a range of board sizes with side extension or metering chambers, top and bottom extension or multi service chambers, all with plinths or feet.

- IEC 61439-1 with Form 3b separation
- Short circuit withstand up to 65kA 1 sec
- 400A and 800A busbar in 6, 8, 12 and 18 way
- 1250A busbar in fixed pattern
- SP, TP and 4 pole outgoing devices
- KWH, Multifunction and MIDI approved meters
- Type 1, 2 and 3 Surge Protection Devices



Metering:

kWh, multifunction and Midi approved metering with pulse or Modbus output is available for both the Incoming and Outgoing ways. If meters are required we would fit the unit with side chambers to not only mount the meters to but also to allow for ample cabling room going through the mounted CT's. Each metered unit will be powered up and meters will be set to the ampage of their corresponding MCCB's before it is shipped for testing purposes and to make installation that little bit easier.

Custom Section Boards

Switchgear Systems offer a fast and flexible design and build service for custom floor standing section boards fully tested to IEC 61439-2. With forms of separation up to form 4-7 our panels can come with front or rear access, top/bottom or both cable entry with plain or glassed doors, fixed covers or vented panels, all designed to accommodate future expansion.

- IEC 61439-1 with separation up to Form 4-7
- Short circuit withstand up to 120kA 1 sec
- 400-4000A busbar with fixed or withdrawable device compartments

Available Components:

- ACBs, MCCBs and RCBOs
 - Single, three and four pole
 - 16A - 4000A
 - 16kA - 120kA
 - Thermomagnetic or electronic trips
- 63A - 800A vertical or horizontal switchfuses
- 40A - 4000A automatic or manual changeover and bypass switches
- KWH, multifunction and MIDI approved meters
- Type 1, 2 and 3 Surge Protection Devices
- Power factor correction



At Switchgear Systems Ltd. we build most of our switchgear in wall mounting sheet steel powder coated RAL 7035 enclosures. There should be no need for spreader boxes with our equipment as the enclosures are suitably sized for the spreading of typical cable sizes suitable for the switchgear's current carrying capacity. Where larger sizes and quantities of cables are being used we can put them into bigger enclosures and manufacture bespoke extension terminals. As well as the standard enclosure we also offer a range of material options for both the enclosure and gland plate/s, as well as a number of accessories.

Enclosure material options:

- Standard RAL7035 sheet steel
- Alternative colour options
- Stainless steel enclosures
- GRP enclosures
- Floor standing sheet steel

Gland plate material options:

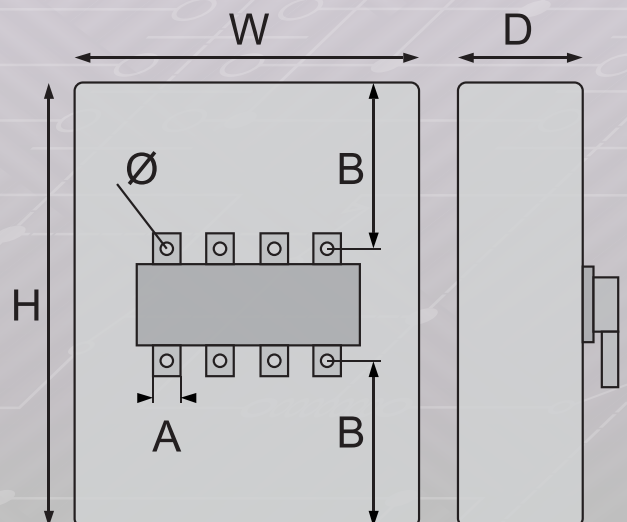
- Standard sheet steel
- Aluminium
- Brass
- Insulation board
- Brushed cable entry

Accessories:

- Mounting brackets
- Padlockable hasps
- Metering and CT's
- Indicator lights
- Castell Interlocks
- And many others

Reference diagram for dimensions shown in tables throughout catalogue

- H - Height of enclosure
- W - Width of enclosure
- D - Depth of enclosure (does not include handle or any other external components)
- A - Width of terminal
- B - Cable room measured from connection point to the end of enclosure
- Ø - Terminal connection diameter



All items are sold under Switchgear Systems Limited standard terms and conditions, a copy of which can be found on our website (www.switchgear-systems.com).

It is the responsibility of the installer to ensure items are fitted to the requirements of BS 7671 (Wiring Regulations) and best working practice.