

# Sheet Steel Enclosed Double Break Switchfuses

- Fully load rated AC23A 415-690V
- BSEN 60947-3 conformity
- Door interlocked padlockable handle
- IP2X terminal shrouds
- Removable gland plate top (up to 700 H) and bottom
- Fitted with general purpose BS88 HRC fuses
- Double break, fuses isolated on both sides
- Ingress protection IP55



| Nominal Rating I <sub>e</sub><br>415V |       | Ordering<br>Reference<br>TP&N | Ordering<br>Reference<br>4P | BS88<br>Fuse<br>(included) | Dimensions (mm)<br><small>*see inner front cover for reference diagram</small> |     |     |    |     |     |
|---------------------------------------|-------|-------------------------------|-----------------------------|----------------------------|--|-----|-----|----|-----|-----|
|                                       |       |                               |                             |                            | H  | W   | D   | A  | Ø   | B   |
| 63A                                   | 30kW  | ST IHF 6/3+N+F                | ST IHF 6/4+F                | A3                         | 400  | 300 | 200 | 14 | M5  | 149 |
| 100A                                  | 45kW  | ST IHF 10/3+N+F               | ST IHF 10/4+F               | A4                         | 500  | 400 | 200 | 20 | M8  | 179 |
| 125A                                  | 55kW  | ST IHF 12/3+N+F               | ST IHF 12/4+F               | B2                         | 500  | 400 | 200 | 20 | M8  | 194 |
| 160A                                  | 75kW  | ST INF 16/3+N+F               | ST INF 16/4+F               | B2                         | 500  | 400 | 200 | 20 | M8  | 194 |
| 200A                                  | 105kW | ST INF 20/3+N+F               | ST INF 20/4+F               | B2                         | 700  | 500 | 250 | 25 | M10 | 294 |
| 250A                                  | 132kW | ST INF 25/3+N+F               | ST INF 25/4+F               | B3/B4                      | 700  | 500 | 250 | 30 | M10 | 282 |
| 315A                                  | 155kW | ST INF 30/3+N+F               | ST INF 30/4+F               | B3/B4                      | 700  | 500 | 250 | 30 | M10 | 282 |
| 400A                                  | 200kW | ST INF 40/3+N+F               | ST INF 40/4+F               | B3/B4                      | 800  | 600 | 300 | 40 | M12 | 332 |
| 500A                                  | 355kW | ST INF 50/3+N+F               | ST INF 50/4+F               | C2                         | 1000   | 600 | 300 | 40 | M12 | 400 |
| 630A                                  | 355kW | ST INF 63/3+N+F               | ST INF 63/4+F               | C2                         | 1000   | 600 | 300 | 40 | M12 | 400 |
| 800A                                  | 400kW | ST INF 80/3+N+F               | ST INF 80/4+F               | C3                         | 1200   | 800 | 300 | 40 | M12 | 500 |



GRP enclosures are available in a variety of sizes



Units can be fitted in floor standing enclosures for additional wiring room

# Additional Information

**Fuses:** Most of our switchfuses come with standard BS88 gG 415VAC fuses with 80kA fault ratings. Where required we can also supply mG motor rated fuses to be fitted into AC-23 switchfuses, please note however the device being selected should always be chosen based on the upper motor rating of the fuse, i.e. a 100A/125A motor rated fuse should be fitted into a 125A switchfuse rather than a 100A switchfuse to better protect the switchgear.



| BS88 Fuse Type | Fixing Distance (mm) | Amp capacities available |     |     |     |      |      |      |      |      |      |      |      |      |      |
|----------------|----------------------|--------------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
|                |                      | 20A                      | 32A | 63A | 80A | 100A | 125A | 160A | 200A | 250A | 315A | 400A | 500A | 630A | 800A |
| A3             | 73                   | ✓                        | ✓   | ✓   | ✓   | ✓    | ✓    |      |      |      |      |      |      |      |      |
| A4             | 94                   |                          |     | ✓   | ✓   | ✓    | ✓    |      |      |      |      |      |      |      |      |
| B2             | 111                  |                          |     | ✓   | ✓   | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |      |      |
| B3/B4          | 111                  |                          |     | ✓   | ✓   | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |      |      |      |
| C2             | 184/133              |                          |     |     |     |      |      |      |      |      |      |      | ✓    | ✓    | ✓    |
| C3             | 184/133              |                          |     |     |     |      |      |      |      |      |      |      | ✓    | ✓    | ✓    |

| Cylindrical Fuse Size | Amp capacities available |     |     |     |      |
|-----------------------|--------------------------|-----|-----|-----|------|
|                       | 20A                      | 32A | 63A | 80A | 100A |
| (10x38)               | ✓                        | ✓   |     |     |      |
| (22x58)               |                          |     | ✓   | ✓   | ✓    |



Cylindrical

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:**

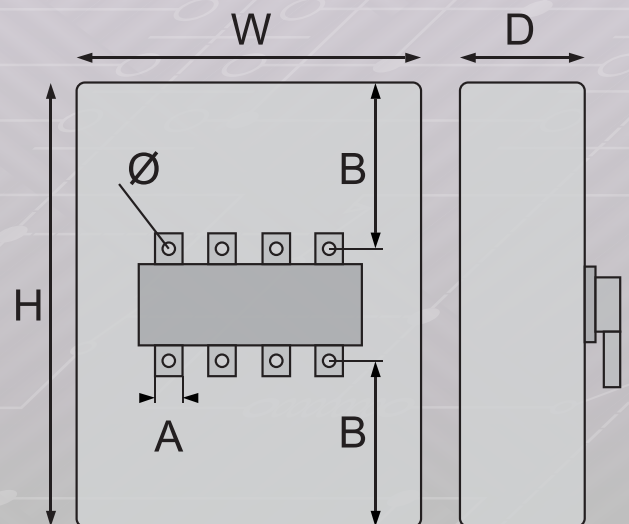
- Standard sheet steel
- Aluminium
- Brass
- Insulation board
- Brushed cable entry

**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](http://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.