

# DC Circuit Breakers

## High Current, Non-Polarised

The Ex9MD range of moulded case circuit breakers (MCCB) provide high current breaking capabilities for DC circuits.

Used primarily on battery banks, these MCCBs provide a more serviceable approach to protection than standard NH fuse bases.

### Features:

- 5 frame sizes - 80A to 800A
- High breaking capacity
- Installation flexibility
- Field installable accessories
- Certified to EN 60947

### DC switching voltage

250V DC per pole e.g. 2 pole = 500V DC



| Part No. | Type                | Current rating | Number of poles | Total voltage DC | Frame size | Dimensions<br>L x W x H |
|----------|---------------------|----------------|-----------------|------------------|------------|-------------------------|
| 28707    | EX9MD1B TM DC80 2P  | 80A            | 2               | 500V             | 1          | 90 x 140 x 109          |
| 28708    | EX9MD1B TM DC100 2P | 100A           | 2               | 500V             | 1          | 90 x 140 x 109          |
| 28709    | EX9MD1B TM DC125 2P | 125A           | 2               | 500V             | 1          | 90 x 140 x 109          |
| 28901    | EX9MD2B TM DC160 2P | 160A           | 2               | 500V             | 2          | 105 x 157 x 126         |
| 28902    | EX9MD2B TM DC180 2P | 180A           | 2               | 500V             | 2          | 105 x 157 x 126         |
| 28903    | EX9MD2B TM DC200 2P | 200A           | 2               | 500V             | 2          | 105 x 157 x 126         |
| 28905    | EX9MD2B TM DC250 2P | 250A           | 2               | 500V             | 2          | 105 x 157 x 126         |
| 26025    | EX9MD3B TM DC315 3P | 315A           | 3               | 750V             | 3          | 140 x 225 x 172         |
| 26027    | EX9MD3B TM DC400 3P | 400A           | 3               | 750V             | 3          | 140 x 225 x 172         |
| 27019    | EX9MD4B TM DC500 3P | 500A           | 3               | 750V             | 4          | 195 x 300 x 142         |
| 27020    | EX9MD4B TM DC630 3P | 630A           | 3               | 750V             | 4          | 195 x 300 x 142         |
| 28019    | EX9MD5B TM DC700 3P | 700A           | 3               | 750V             | 5          | 195 x 300 x 142         |
| 28020    | EX9MD55 TM DC800 3P | 800A           | 3               | 750V             | 5          | 195 x 300 x 142         |

### Accessories

| Part No. | Type              | Suits frame | Auxiliary contacts | Description               |
|----------|-------------------|-------------|--------------------|---------------------------|
| 20297    | AX21              | 1 to 5      | 1NO,1NC            | Auxiliary Contact         |
| 20282    | AL21              | 1 to 5      | 1NO,1NC            | Alarm Contact             |
| 20302    | ERH 21            | 1           | -                  | Extended Rotary Handle    |
| 20306    | TCE 21 3P         | 1           | -                  | Terminal Shields          |
| 20290    | SHT 21 AC220-240V | 1           | -                  | Shunt release 240V AC     |
| 20300    | UVT 21 AC380-415V | 1           | -                  | Undervoltage Release 415V |
| 23188    | ERH 22            | 2           | -                  | Extended Rotary Handle    |
| 23192    | TCE 22 3P         | 2           | -                  | Terminal Shields          |
| 23177    | SHT 22 AC220-240V | 2 to 5      | -                  | Shunt release 240V AC     |
| 23186    | UVT 22 AC380-415V | 2 to 5      | -                  | Undervoltage Release 415V |
| 25121    | ERH 23            | 3           | -                  | Extended Rotary Handle    |
| 25125    | TCE 23 3P         | 3           | -                  | Terminal Shields          |
| 26920    | ERH 24            | 4,5         | -                  | Extended Rotary Handle    |
| 26904    | TCE 24 3P         | 4,5         | -                  | Terminal Shields          |