



## Product data sheet

## HDM31600N100033XX

### Characteristics

### Molded case circuit breaker HDM3 - 1600N/3P - Mag-therm 1000A



#### Main

|                           |   |
|---------------------------|---|
| Range of product          | HDM3  |
| Product or component type | Enclosed moulded case circuit breaker   |
| Suitability for isolation | Yes   |
| Trip unit technology      | Thermal-magnetic  |
| Device application        | Power distribution protection   |
| Voltage release type      | Shunt trip release<br>Undervoltage release  |
| Provided equipment        | alarm<br>motor mechanism<br>handle<br>terminal extension<br>interphase barriers<br>MN or MX voltage release |

#### Complementary

|  |   |
|--|---|
| Poles description                      | 3P  |
| [In] rated current                     | 1000 A                                    |
| Frame size                             | 1600AF                                    |
| [Ue] rated operational voltage         | 400 V                                     |
| Network type                           | AC  |
| Network frequency                      | 50...60 Hz                                |
| Electrical durability                  | 2500 cycles                               |
| Mechanical durability                  | 5000 cycles                               |
| [Uimp] rated impulse withstand voltage | 12 kV                                     |
| [Ics] rated service breaking capacity  | 70 kA                                     |
| Rated breaking capacity                | 70 kA                                     |
| [Ui] rated insulation voltage          | 1000 V                                    |
| Mounting mode                          | Fixed front                               |
| Clamping connection capacity           | 2 x 240 mm <sup>2</sup>                   |
| Tightening torque                      | 11...14 N.m                               |
| Utilisation category                   | Category A                                |
| Provision for padlocking               | Handle padlockable in on and off position |
| Height                                 | 408 mm                                    |
| Width                                  | 223 mm                                    |
| Depth                                  | 213 mm                                    |
| Net weight                             | 18.98 kg                                  |

#### Environment

|                                       |             |
|---------------------------------------|-------------|
| IP degree of protection               | IP20        |
| Pollution degree                      | 3           |
| Ambient air temperature for operation | 40.0 °C     |
| Ambient air temperature for storage   | -20...70 °C |
| Dielectric test voltage               | 3 kV        |
| Operating altitude                    | 0...2000 m  |
| Standards                             | IEC 60947-2 |

#### **Packing Units**

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |