



Product data sheet

HDM3100S1633XX

Characteristics

Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 16A



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 Undervoltage release |
| Provided equipment | alarm motor mechanism handle terminal extension interphase barriers MN or MX voltage release |

Complementary

| | |
|--|---|
| Poles description | 3P |
| [In] rated current | 16.0 A |
| Frame size | 100AF |
| [Ue] rated operational voltage | 400/415 V |
| Network type | AC |
| Network frequency | 50...60 Hz |
| Electrical durability | 4000.0 cycles |
| Mechanical durability | 20000.0 cycles with maintenance 10000.0 cycles without maintenance |
| [Uimp] rated impulse withstand voltage | 8.0 kV |
| [Ics] rated service breaking capacity | 18 kA |
| Rated breaking capacity | 25 kA |
| [Ui] rated insulation voltage | 800.0 V |
| Mounting mode | Fixed front |
| Clamping connection capacity | 3 mm ² |
| Tightening torque | 9.5...10.5 N.m |
| Utilisation category | Category A |
| Provision for padlocking | Handle padlockable in on and off position |
| Height | 130.0 mm |
| Width | 75.0 mm |
| Depth | 68.0 mm |
| Net weight | 0.78 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 |
| Product certifications | CE TÜV |

Packing Units

| | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 13 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 6.8 cm |
| Package 1 Weight | 780 g |
