Nov 08, 2026

# Product data sheet

# HDM3100F10033XXT

## Characteristics

**Molded case circuit breaker HDM3 - 100F/3P - Mag-therm 100A 50degree**




### 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 | 100.0 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<br>10000.0 cycles without maintenance |
| [Uimp] rated impulse withstand voltage | 8.0 kV |
| [Ics] rated service breaking capacity | 26 kA |
| Rated breaking capacity | 35 kA |
| [Ui] rated insulation voltage | 800.0 V |
| Mounting mode | Fixed front |
| Clamping connection capacity | 35 mm² |
| Tightening torque | 9.5…10.5 N.m |
| Utilisation category | Category A |
| Provision for padlocking | Handle padlockable in on and off position |
| Height | 150.0 mm |
| Width | 92.0 mm |
| Depth | 93.5 mm |
| Net weight | 1.28 kg |

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## Environment

| | |
|---|---|
| IP degree of protection | IP20 |
| Pollution degree | 3 |
| Ambient air temperature for operation | 50.0 °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<br>KEMA |