



## Product data sheet

## HDM3100S8033XX

### Characteristics

### Molded case circuit breaker HDM3 - 100S/3P - Mag-therm 80A



#### 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	80.0 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	25 mm <sup>2</sup>
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**

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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

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**Packing Units**

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	7.5 cm
Package 1 Length	6.8 cm
Package 1 Weight	780.0 g

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