

Product data sheet

Characteristics

HDM3800F80033XX

molded case circuit breaker HDM3 - 800F/3P -
Mag-therm 800A



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	800.0 A
Frame size	800AF
[Ue] rated operational voltage	400 V
Network type	AC
Network frequency	50...60 Hz
Electrical durability	500.0 cycles
Mechanical durability	2500.0 Cycles with maintenance 1250.0 cycles without maintenance
[Uimp] rated impulse withstand voltage	8.0 kV
[Ics] rated service breaking capacity	40 kA
Rated breaking capacity	70 kA
[Ui] rated insulation voltage	800.0 V
Mounting mode	Fixed front
Clamping connection capacity	2 x 240 mm ²
Tightening torque	29.5...30.5 N.m
Utilisation category	Category A
Provision for padlocking	Handle padlockable in on and off position
Height	280.0 mm
Width	210.0 mm
Depth	100.0 mm
Net weight	7.34 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 KEMA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	7.34 kg
Package 1 Height	28 cm
Package 1 width	21 cm
Package 1 Length	10 cm