



Product data sheet

HDM31600N160033XX

Characteristics

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



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	1600 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 ²
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

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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

Packing Units

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