

NOARK

M1N45T3

MCCB - 1100020 - UL489 - M1 frame - 3P3d - 45A rated - busbar connections - 600Vdc/ac

Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M1 series) - 3-poles (3P3d) - Rated current 45A - Interrupting capacity 65kA (480Vac) - Term. nut kit (for fixed busb. connection) on both line and load sides - Thermal-Magnetic (fixed) (FT/FM (Fixed Thermal / Fixed Magnetic)) trip unit - equivalent to 1100020

Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

Specifications

Primary brand	NOARK
Main function	Moulded Case Circuit Breaker (MCCB)
Product series / family name	Electrical protection > Circuit breakers > AC Moulded Case Circuit Breakers (MCCBs)
Sub-range name	Ex9M1 series
Functions	Moulded Case Circuit Breaker (MCCB)
Poles	3-poles (3P3d)
Rated current	45A
Trip current rating	45 AT
Frame current rating	150 AF
Rated operating voltage (Ue)	(IEC) 690 V
Rated Voltage (DC)	600Vdc
Rated voltage (AC)	600Vac
Rated impulse voltage (Uimp)	8 kV
Rated insulation voltage (Ui)	800 V
Connection type	Term. nut kit (for fixed busb. connection) on both line and load sides
Cross-section	connects with #14AWG...#3/0AWG (000) / 2.5mm2...95mm2 conductors

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Short circuit breaking rating	100kA (240Vac) 65kA (480Vac) 20kA (600Vac) 35kA (600Vdc)
Ultimate short circuit current breaking capacity (Icu)	100kA (220/240Vac) 100kA (380/415Vac) 8kA (660/690Vac) 35kA (500Vdc)
Trip unit type	Technology = Thermal-Magnetic (fixed) Series = FT/FM (Fixed Thermal / Fixed Magnetic)
Protection functions	Fixed thermal protection (Overload) Fixed threshold magnetic protection (Short-circuit)
Protection settings	Protection against thermal overload -- fixed at 45A Magnetic instantaneous protection against short-circuit -- fixed at 450A
Dimensions	H164mm x W90mm x D84.5mm H6.46" x W3.54" x D3.33"
Ambient air temperature for operation	-25˚C...+70 ˚C
Utilisation category	A
Order code / Manufacturer SKU	M1N45T3 1100020
Manufacturer product status	Commercialized
Equivalent to	1100020
Compliant with standard(s)	UL489 listed UL489 listed (file number E355392) CSA C22.2 No.5 IEC/EN 60947-2 CE marking RoHS compliant
Electrical durability	6000 hours
Mechanical durability	10000 hours

Benefits

Ex9M series offers
- High-breaking capacity and a patented arc extinguishing design
- Bearing-type spindle reduces the operating force required to open and close the operating mechanism
- High quality compact modular design
- Fixed and adjustable trip unit settings
- Line and load lugs installed standard
- 5-Year limited warranty

Certifications
- UL 489 listed File Number E355392

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- UL listed to UL489 and Canada CSA standards 22.2 No. 5
- IEC/EN 60947-2
- CE Compliant
- UL489B, File Number E513573

Wide range of accessories
- Alarm switch and auxiliary contact
- Shunt and undervoltage trip
- Rotary type handle
- Flange type handle
- Motor Operator
- Mechanical Interlock

Documents

NOARK - MCCB MCP MCS Ex9 series-M - Catalog.pdf

Access to all NOARK drawings

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