

NOARK

M1MN80T3L

MCP - 1101428 - UL489 - M1 frame - 3P3d - 80A rated - lug connections - 600Vac

Motor Circuit Protector (MCP) - UL489 listed - NOARK (Ex9M1M series) - 3-poles (3P3d) - Rated current 80A (continuous Amperes) - Interrupting capacity 65kA (480Vac) - Lugs on both load and line sides - Magnetic only trip unit - equivalent to 1101428

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	Motor Protection Circuit Breaker (MPCB)
Product series / family name	Electrical protection > Circuit breakers > Motor-Circuit Protectors (MCPs)
Sub-range name	Ex9M1M series
Functions	Motor Circuit Protector (MCP)
Poles	3-poles (3P3d)
Rated current	80A (continuous Amperes)
Frame current rating	150 AF
Rated operating voltage (Ue)	(IEC) 690 V
Rated voltage (AC)	600Vac (50/60Hz)
Rated impulse voltage (Uimp)	8 kV
Rated insulation voltage (Ui)	800 V
Connection type	Lugs on both load and line sides
Short circuit breaking rating	100kA (240Vac) 65kA (480Vac) 20kA (600Vac)
Ultimate short circuit current breaking capacity (Icu)	100kA (220/240Vac) 100kA (380/415Vac) 8kA (660/690Vac)

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Trip unit type	Technology = Magnetic only
Protection functions	Adjustable threshold Magnetic protection (Short-circuit)
Protection settings	Magnetic instantaneous protection against short-circuit -- adjustable to 7 pre-defined settings (400A / 480A / 560A / 640A / 720A / 800A / 880A)
Dimensions	H164mm x W90mm x D34.5mm H6.46" x W3.54" x D3.33"
Order code / Manufacturer SKU	M1MN80T3L 1101428
Manufacturer product status	Commercialized
Equivalent to	1101428
Compliant with standard(s)	UL489 listed UL489 recognized (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

NOARK Electric offers a complete range of 3pole Molded Case Motor Circuit Protectors (MCPs magnetic only)
These MCPs are for 3-phase asynchronous motors protection.
We offer MCPs in 6 frame sizes - M1M (150A), M2M (250A), M3M (400A), M4M (600A), M5M (800A) and M6M (1200A).
Each frame size offers a range of interrupting voltage ratings from 240-690Vac.
This series MCP conforms to global standards that include UL 489 / CSA C22.2 No 5 and IEC 60947-2.
The traditional system used for this purpose relies on 3 different devices.
These include a circuit breaker, a thermal relay and a contactor for motor switching.

In particular, when selecting these devices, different factors must be taken into consideration such as
- The rated motor power
- The type of motor with cage rotor or with wound rotor
- The fault current at the point of the network where the motor is installed

Certifications
- UL 489 Recognized File Number E355392
- UL Recognized to UL489 and CSA standards 22.2 No. 5
- IEC/EN 60947-2
- CE Compliant
- RoHS Compliant

Documents

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

Access to all NOARK drawings

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