NOARK

# M5MN800T2

MCP - 1102090 - UL489 - M5 frame - 3P2d - 800A rated - busbar connections - 600Vac

Motor Circuit Protector (MCP) - UL489 listed - NOARK (Ex9M5M series) - 2-poles in 3-poles case (3P2d) - Rated current 800A (continuous Amperes) - Interrupting capacity 65kA (480Vac) - Term. nut kit (for fixed busb. connection) on both line and load sides - Magnetic only trip unit - equivalent to 1102090

## 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** | Ex9M5M series |
| **Functions** | Motor Circuit Protector (MCP) |
| **Poles** | 2-poles in 3-poles case (3P2d) |
| **Rated current** | 800A (continuous Amperes) |
| **Frame current rating** | 800 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** | Term. nut kit (for fixed busb. connection) on both line and load sides |
| **Short circuit breaking rating** | 100kA (240Vac)<br>65kA (480Vac)<br>30kA (600Vac) |
| **Ultimate short circuit current breaking capacity (Icu)** | 100kA (220/240Vac)<br>100kA (380/415Vac)<br>15kA (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 (4000A / 4800A / 5600A / 6400A / 7200A / 8000A / 8800A) |
| **Dimensions** | H411mm x W195mm x D192.5mm<br>H16.18" x W7.68" x D7.58" |
| **Order code / Manufacturer SKU** | M5MN800T2<br>1102090 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1102090 |
| **Compliant with standard(s)** | UL489 listed<br>UL489 recognized (file number E355392)<br>CSA C22.2 No.5<br>IEC/EN 60947-2<br>CE marking<br>RoHS compliant |
| **Electrical durability** | 500 hours |
| **Mechanical durability** | 3000 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

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## Documents

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

Access to all NOARK drawings

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