NOARK

# M5N600T4L

MCCB - 1102049 - UL489 - M5 frame - 4P4d - 600A rated - lug connections - 600Vdc/ac - without neutral protection

Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M5 series) - 4-poles (4P4d) - Rated current 600A - Neutral pole without protection - Interrupting capacity 65kA (480Vac) - Lugs on both load and line sides - Thermal-Magnetic (adjustable) (AT/AM (Adjustable Thermal / Adjustable Magnetic)) trip unit - equivalent to 1102049

## 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** | Ex9M5 series |
| **Functions** | Moulded Case Circuit Breaker (MCCB) |
| **Poles** | 4-poles (4P4d) |
| **Rated current** | 600A |
| **Trip current rating** | 600 AT |
| **Frame current rating** | 800 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** | Lugs on both load and line sides |

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| | |
|---|---|
| **Cross-section** | connects with 250kcmil...600kcmil / 120mm2...300mm2 conductors (2-hole lugs) or 250kcmil...500kcmil / 100mm2...250mm2 conductors (3-hole lugs) |
| **Short circuit breaking rating** | 100kA (240Vac)<br>65kA (480Vac)<br>30kA (600Vac)<br>50kA (600Vdc) |
| **Ultimate short circuit current breaking capacity (Icu)** | 100kA (220/240Vac)<br>100kA (380/415Vac)<br>15kA (660/690Vac)<br>50kA (500Vdc) |
| **Trip unit type** | Technology = Thermal-Magnetic (adjustable)<br>Series = AT/AM (Adjustable Thermal / Adjustable Magnetic) |
| **Protection functions** | Neutral pole without protection<br>Adjustable thermal protection (Overload)<br>Adjustable threshold magnetic protection (Short-circuit) |
| **Protection settings** | Protection against thermal overload -- adjustable 0.8...1 x In (480A...600A)<br>Magnetic instantaneous protection against short-circuit -- adjustable 5...10 x In (3000A...6000A) |
| **Dimensions** | H411mm x W260mm x D192.5mm<br>H16.18" x W10.2" x D7.58" |
| **Ambient air temperature for operation** | -25˚C...+70 ˚C |
| **Utilisation category** | A |
| **Order code / Manufacturer SKU** | M5N600T4L<br>1102049 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1102049 |
| **Compliant with standard(s)** | UL489 listed<br>UL489 listed (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

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

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- Fixed and adjustable trip unit settings
- Line and load lugs installed standard
- 5-Year limited warranty

Certifications
- UL 489 listed File Number E355392
- 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

E-PLAN - NOARK - M5N600T4L - Part details

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

Access to all NOARK drawings

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