NOARK

# M4S500T3L

MCCB - 1100412 - UL489 - M4 frame - 3P3d - 500A rated - lug connections - 600Vdc/ac

Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M4 series) - 3-poles (3P3d) - Rated current 500A - Interrupting capacity 42kA (480Vac) - Lugs on both load and line sides - Thermal-Magnetic (adjustable) (AT/AM (Adjustable Thermal / Adjustable Magnetic)) trip unit - equivalent to 1100412

## 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** | Ex9M4 series |
| **Functions** | Moulded Case Circuit Breaker (MCCB) |
| **Poles** | 3-poles (3P3d) |
| **Rated current** | 500A |
| **Trip current rating** | 500 AT |
| **Frame current rating** | 600 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 |
| **Cross-section** | connects with #3/0AWG (000)...400kcmil / 95mm2...185mm2 conductors |

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| | |
|---|---|
| **Short circuit breaking rating** | 65kA (240Vac)<br>42kA (480Vac)<br>22kA (600Vac)<br>35kA (600Vdc) |
| **Ultimate short circuit current breaking capacity (Icu)** | 65kA (220/240Vac)<br>65kA (380/415Vac)<br>12kA (660/690Vac)<br>35kA (500Vdc) |
| **Trip unit type** | Technology = Thermal-Magnetic (adjustable)<br>Series = AT/AM (Adjustable Thermal / Adjustable Magnetic) |
| **Protection functions** | Adjustable thermal protection (Overload)<br>Adjustable threshold magnetic protection (Short-circuit) |
| **Protection settings** | Protection against thermal overload -- adjustable 0.8...1 x In (400A...500A)<br>Magnetic instantaneous protection against short-circuit -- adjustable 5...10 x In (2500A...5000A) |
| **Dimensions** | H313mm x W195mm x D138mm<br>H12.32" x W7.68" x D5.43" |
| **Ambient air temperature for operation** | -25˚C...+70 ˚C |
| **Utilisation category** | A |
| **Order code / Manufacturer SKU** | M4S500T3L<br>1100412 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1100412 |
| **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** | 5000 hours |
| **Mechanical durability** | 8000 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

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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 - M4S500T3L - Part details

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

Access to all NOARK drawings

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