

NOARK

# E3R-4BM4N500T3L

Enclosed breaker - UL489 - M4 frame - 3P3d - 500A rated - 4-wires - 65kA at 480Vac - 100% neutral - NEMA 3R

Enclosed Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M4 series) - 3-poles (3P3d) - Rated current 500A - 100% neutral - Interrupting capacity 65kA (480Vac) - Lugs on both load and line sides (4-wires) - Thermal-Magnetic (adjustable) (AT/AM (Adjustable Thermal / Adjustable Magnetic)) trip unit - NEMA 3R - equivalent to E3R4BM4N500T3L

## 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

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|---|---|
| **Primary brand** | NOARK |
| **Main function** | Moulded Case Circuit Breaker (MCCB) |
| **Product series / family name** | Electrical protection > Circuit breakers > Enclosed Moulded Case Circuit Breakers (MCCBs) |
| **Sub-range name** | Ex9M4 series |
| **Functions** | Enclosed 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 (4-wires) |

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|---|---|
| **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** | 100% neutral<br>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) |
| **Degree of protection** | NEMA 3R |
| **Ambient air temperature for operation** | -25˚C...+70 ˚C |
| **Contents** | 1 x MCCB M4N500T3L<br>1 x X600-600Type 3R |
| **Utilisation category** | A |
| **Order code / Manufacturer SKU** | E3R-4BM4N500T3L |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | E3R4BM4N500T3L |
| **Compliant with standard(s)** | UL489 listed |
| **Electrical durability** | 5000 hours |
| **Mechanical durability** | 8000 hours |

## Documents

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

Access to all NOARK drawings

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