

# Specifications



Photo is representative

## Eaton 119741

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 630A, 1000 V

### General specifications

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series NZM molded case circuit breaker electronic |
| <b>CATALOG NUMBER</b>       | 119741                                                          |
| <b>MODEL CODE</b>           | NZMH3-AE630-T-S1                                                |
| <b>EAN</b>                  | 4015081176069                                                   |
| <b>PRODUCT LENGTH/DEPTH</b> | 166 mm                                                          |
| <b>PRODUCT HEIGHT</b>       | 275 mm                                                          |
| <b>PRODUCT WIDTH</b>        | 140 mm                                                          |
| <b>PRODUCT WEIGHT</b>       | 6.365 kg                                                        |
| <b>COMPLIANCES</b>          | RoHS conform                                                    |

## Product specifications

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>AMPERAGE RATING</b>                                                                  | 630 A                                                                                                                            |
| <b>VOLTAGE RATING</b>                                                                   | 1000 V - 1000 V                                                                                                                  |
| <b>FEATURES</b>                                                                         | Protection unit<br>Motor drive optional                                                                                          |
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                                                                                       |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF</b>                                                     | Does not apply, since the entire switchgear needs to                                                                             |

## Resources

|                                   |                                                                                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BROCHURES</b>                  | <a href="#">eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf</a><br><a href="#">eaton-digital-nzm-brochure-br013003en-en-us.pdf</a> |
| <b>CATALOGUES</b>                 | <a href="#">eaton-digital-nzm-catalog-ca013003en-en-us.pdf</a>                                                                                   |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-molded-case-circuit-breaker-declaration-of-conformity-eu250293en.pdf</a>                                                       |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">The new digital NZM Range</a><br><a href="#">Introduction of the new digital circuit breaker NZM</a>                                 |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CD-nzm3_3p</a><br><a href="#">DA-CS-nzm3_3p</a>                                                                                   |
| <b>PEP ECO-PASSPORT</b>           | <a href="#">eaton-molded-case-switches-pep-eato-00202-v0101-en.pdf</a>                                                                           |
| <b>TECHNICAL DATA SHEETS</b>      | <a href="#">eaton-nzm-technical-information-sheet</a>                                                                                            |

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ASSEMBLIES</b>                                               | be evaluated.                                                      |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                   | Meets the product standard's requirements.                         |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Is the panel builder's responsibility.                             |
| <b>MOUNTING METHOD</b>                                          | Built-in device fixed built-in technique                           |
| <b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>      | 0                                                                  |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>  | 0                                                                  |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>    | 0                                                                  |
| <b>DEGREE OF PROTECTION</b>                                     | IP20                                                               |
| <b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>               | Screw connection                                                   |
| <b>NUMBER OF POLES</b>                                          | Three-pole                                                         |
| <b>FUNCTIONS</b>                                                | Integrated earth fault protection                                  |
| <b>POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT</b>          | Front side                                                         |
| <b>HANDLE TYPE</b>                                              | Rocker lever                                                       |
| <b>SHORT DELAY CURRENT SETTING (ISD) - MAX</b>                  | 0 A                                                                |
| <b>SHORT DELAY CURRENT SETTING (ISD) - MIN</b>                  | 0 A                                                                |
| <b>INSTANTANEOUS CURRENT SETTING (II) - MAX</b>                 | 630 A                                                              |

|                                                                                          |        |
|------------------------------------------------------------------------------------------|--------|
| INSTANTANEOUS<br>CURRENT SETTING (II) -<br>MIN                                           | 315 A  |
| OVERLOAD CURRENT<br>SETTING (IR) - MAX                                                   | 630 A  |
| OVERLOAD CURRENT<br>SETTING (IR) - MIN                                                   | 315 A  |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY ICS<br>(IEC/EN 60947) AT<br>400/415 V, 50/60 HZ | 100 kA |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

