

Specifications



Eaton 168539

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4 p, 630A, 400A in 4th pole, plug-in module

General specifications

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| PRODUCT NAME | Eaton Moeller series NZM molded case circuit breaker electronic |
| CATALOG NUMBER | 168539 |
| MODEL CODE | NZMS3-4-VE630/400-SVE |
| EAN | 4015081650156 |
| PRODUCT LENGTH/DEPTH | 335 mm |
| PRODUCT HEIGHT | 215.2 mm |
| PRODUCT WIDTH | 185 mm |
| PRODUCT WEIGHT | 10.04 kg |
| COMPLIANCES | RoHS conform |
| GLOBAL CATALOG | 168539 |

Product specifications

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| AMPERAGE RATING | 630 A |
| VOLTAGE RATING | 690 V - 690 V |
| FEATURES | Motor drive optional Protection unit |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements. |
| 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT | Meets the product standard's requirements. |
| 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | Meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Meets the product standard's requirements. |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 10.3 DEGREE OF PROTECTION OF | Does not apply, since the entire switchgear needs to |

Resources

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| BROCHURES | eaton-digital-nzm-brochure-br013003en-en-us.pdf |
| CATALOGS | eaton-digital-nzm-catalog-ca013003en-en-us.pdf |
| DECLARATIONS OF CONFORMITY | eaton-molded-case-circuit-breaker-declaration-of-conformity-eu250293en.pdf |
| ECAD MODEL | DA-CE-ETN.NZMS3-4-VE630_400-SVE |
| INSTALLATION INSTRUCTIONS | eaton-circuit-breaker-plug-in-adapter-nzm2-il01219023z.pdf |
| INSTALLATION VIDEOS | Introduction of the new digital circuit breaker NZM The new digital NZM Range |
| MCAD MODEL | nzm3_4_a320_sve.stp nzm3_4_a320_sve.dwg |
| PEP ECO-PASSPORT | eaton-molded-case-switches-pep-eato-00219-v0101-en.pdf |
| TECHNICAL DATA SHEETS | eaton-nzm-technical-information-sheet |

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| ASSEMBLIES | be evaluated. |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Is the panel builder's responsibility. |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | Is the panel builder's responsibility. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Is the panel builder's responsibility. |
| MOUNTING METHOD | Built-in device plug-in technique |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 178.61 W |
| NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) | 0 |
| DEGREE OF PROTECTION | IP20 |
| ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT | Screw connection |
| NUMBER OF POLES | Four-pole |
| POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT | Back side |
| HANDLE TYPE | Rocker lever |
| SHORT DELAY CURRENT SETTING (ISD) - MAX | 6300 A |
| SHORT DELAY CURRENT SETTING (ISD) - MIN | 630 A |
| INSTANTANEOUS CURRENT SETTING (II) - | 7560 A |

MAX

INSTANTANEOUS
CURRENT SETTING (II) - 1260 A
MIN

OVERLOAD CURRENT 630 A
SETTING (IR) - MAX

OVERLOAD CURRENT 315 A
SETTING (IR) - MIN

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICS
(IEC/EN 60947) AT 230 V,
50/60 HZ 100 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICS
(IEC/EN 60947) AT 70 kA
400/415 V, 50/60 HZ

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICS
(IEC/EN 60947) AT 440 V,
50/60 HZ 65 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICS
(IEC/EN 60947) AT 525 V,
50/60 HZ 18 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICS
(IEC/EN 60947) AT 690 V,
50/60 HZ 6 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(IEC/EN 60947) AT 525 V,
50/60 HZ 36 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(IEC/EN 60947) AT 70 kA
400/415 V, 50/60 HZ

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(IEC/EN 60947) AT 230 V,
50/60 HZ 100 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(IEC/EN 60947) AT 690 V,
50/60 HZ 25 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(IEC/EN 60947) AT 440 V,
50/60 HZ 65 kA

RATED SHORT-CIRCUIT
BREAKING CAPACITY ICU
(UL489, CSA22.2) AT 240
V, 60 HZ 100 kA

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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