

Specifications



Photo is representative

Eaton 266470

Eaton Moeller series NZM Shunt release, 12VAC/DC, +1early N/O, for NZM4

General specifications

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| PRODUCT NAME | Eaton Moeller series NZM Shunt release |
| CATALOG NUMBER | 266470 |
| MODEL CODE | NZM4-XAHIV12AC/DC |
| EAN | 4015082664701 |
| PRODUCT LENGTH/DEPTH | 107 mm |
| PRODUCT HEIGHT | 51 mm |
| PRODUCT WIDTH | 64 mm |
| PRODUCT WEIGHT | 0.24 kg |
| COMPLIANCES | UL/CSA IEC RoHS conform |
| CERTIFICATIONS | IEC60947 UL489 CSA (Class No. 1437-01) CSA (File No. 22086) CE marking CSA-C22.2 No. 5-09 CSA certified UL listed UL (File No. E140305) UL (Category Control Number DIHS) |

Product specifications

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|---|--|
| USED WITH | NZM4(-4), N(S)4(-4) |
| VOLTAGE RATING | 0.7 - 1.1 x Us |
| 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 | Does not apply, since the |

Resources

BROCHURES

[eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf](#)

[eaton-digital-nzm-brochure-br013003en-en-us.pdf](#)

CATALOGUES

[eaton-digital-nzm-catalog-ca013003en-en-us.pdf](#)

DRAWINGS

[eaton-circuit-breaker-auxiliary-contact-nzm-shunt-release-3d-drawing.eps](#)

ECAD MODEL

[DA-CE-ETN.NZM4-XAHIV12AC_DC](#)

[eaton-circuit-breaker-voltage-release-nzm4-il01210005z.pdf](#)

INSTALLATION INSTRUCTIONS

[eaton-circuit-breaker-voltage-release-nzm4-il012143zu.pdf](#)

[eaton-nzm1-xdtv-r-nzm2-xdtv-r-il01206003z.pdf](#)

INSTALLATION VIDEOS

[Introduction of the new digital circuit breaker NZM](#)

[The new digital NZM Range](#)

TECHNICAL DATA SHEETS

[eaton-nzm-technical-information-sheet](#)

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|---|--|
| PROTECTION OF ASSEMBLIES | entire switchgear needs to 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. |
| ELECTRIC CONNECTION TYPE | Screw connection |
| FITTED WITH: | Early-make auxiliary contact |
| FRAME | NZM4 |
| FREQUENCY RATING | 50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release) |
| MINIMUM COMMAND TIME - MAX | 15 ms |
| MINIMUM COMMAND TIME - MIN | 10 ms |
| NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS) | 1 |
| REACTION TIME | 22 ms |
| PICK-UP POWER CONSUMPTION (SHUNT RELEASE) | 2.5 VA/W |
| RATED CONTROL SUPPLY VOLTAGE | 12 V AC/DC |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX | 12 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 | 12 V |

| | |
|---|---|
| HZ - MIN | |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX | 12 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN | 12 V |
| SUITABLE FOR | Off-load switch |
| CONNECTION TYPE | With bolt connection |
| VOLTAGE TYPE | AC |
| TERMINAL CAPACITY (SOLID/FLEXIBLE CONDUCTOR) | <p>0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule</p> <p>18 - 14 AWG (1x) at shunt release</p> <p>0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule</p> <p>18 - 14 AWG (2x) at shunt release</p> <p>0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule</p> <p>18 - 14 AWG (1x) for undervoltage releases, off-delayed</p> <p>18 - 14 AWG (2x) for undervoltage releases, off-delayed</p> <p>0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule</p> |
| TYPE | Accessory Shunt release |
| SPECIAL FEATURES | <p>Cannot be used in conjunction with NZM...-XR... remote operator. If the shunt trip is live, contact with the circuit breaker's primary contacts is prevented when switched on. Early make of auxiliary contact on switching on (manual operation): approx. 90 ms. Shunt releases cannot be installed simultaneously with NZM...-XHIV... early-make auxiliary contact or NZM...-XU... undervoltage release.</p> |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX | 12 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - | 12 V |

| | |
|---|--------------------|
| MIN | |
| VOLTAGE RATING AT AC (X US) - MAX | 1.1 |
| VOLTAGE RATING AT AC (X US) - MIN | .7 |
| NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS) | 0 |
| NUMBER OF CONTACTS (CHANGE-OVER CONTACTS) | 0 |
| UNDELAYED SHORT-CIRCUIT RELEASE - MIN | 0 A |
| UNDELAYED SHORT-CIRCUIT RELEASE - MAX | 0 A |
| TIME ON DUTY - MAX | ∞ |
| RATED CONTROL VOLTAGE (RELAY CONTACTS) | 12 V AC 12 V DC |

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



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