



Powering Business Worldwide



Eaton Moeller series NZM - Molded Case  
Circuit Breaker. Early-make auxiliary contact  
for NZM2/3, 1NO, Push-in terminals

|                      |                                            |
|----------------------|--------------------------------------------|
| PRODUCT NAME         | Eaton Moeller series NZM auxiliary contact |
| CATALOG NUMBER       | 189748                                     |
| MODEL CODE           | NZM2/3-XHIV-PI                             |
| EAN                  | 4015081877430                              |
| PRODUCT LENGTH/DEPTH | 115 mm                                     |
| PRODUCT HEIGHT       | 65 mm                                      |
| PRODUCT WIDTH        | 75 mm                                      |
| PRODUCT WEIGHT       | 0.06 kg                                    |
| COMPLIANCES          | RoHS conform                               |

Additional information

MODEL

Integrable

Delivery programme

SPECIAL FEATURES

C300/R300 (auxiliary  
contacts, UL/CSA, pilot  
duty)

## Design verification to IEC/EN 61439

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <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 ASSEMBLIES</b>                                          | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |
| <b>10.5 PROTECTION</b>                                                                  | Does not apply, since the                                                                                                        |

## Technical data - electrical

**CONVENTIONAL  
THERMAL CURRENT ITH  
OF AUXILIARY CONTACTS** 4 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-15,  
220 V, 230 V, 240 V** 4 A

**VOLTAGE RATING AT AC** 500 V AC

**VOLTAGE RATING AT DC** 220 VDC

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>AGAINST ELECTRIC SHOCK</b>                                   | 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.                             |

## Technical data - mechanical

|                                                      |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <b>CONNECTION TYPE</b>                               | Screw connection                                   |
| <b>LAMP HOLDER</b>                                   | None                                               |
| <b>MOUNTING METHOD</b>                               | Other                                              |
| <b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>     | 0                                                  |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b> | 0                                                  |
| <b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>   | 1                                                  |
| <b>SPECIAL FEATURES</b>                              | C300/R300 (auxiliary contacts, UL/CSA, pilot duty) |

## Resources

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| BROCHURES                 | <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> |
| CATALOGUES                | <a href="#">eaton-digital-nzm-catalog-ca013003en-en-us.pdf</a>                                                                                   |
| INSTALLATION INSTRUCTIONS | <a href="#">eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf</a>                                                                      |
| INSTALLATION VIDEOS       | <a href="#">The new digital NZM Range</a><br><a href="#">Introduction of the new digital circuit breaker NZM</a>                                 |
| TECHNICAL DATA SHEETS     | <a href="#">eaton-nzm-technical-information-sheet</a>                                                                                            |
| WIRING DIAGRAMS           | <a href="#">eaton-circuit-breaker-contact-nzm-mccb-wiring-diagram.eps</a>                                                                        |

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



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

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