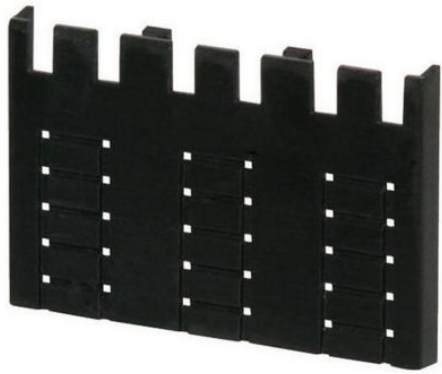


# Specifications



## Eaton 100780

Eaton Moeller series NZM - Molded Case Circuit Breaker. Terminal cover, knockout, 3p, NZM1

### General specifications

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series NZM - Molded case circuit breaker |
| <b>CATALOG NUMBER</b>       | 100780                                                 |
| <b>MODEL CODE</b>           | NZM1-XKSFA                                             |
| <b>EAN</b>                  | 4015081006809                                          |
| <b>PRODUCT LENGTH/DEPTH</b> | 57 mm                                                  |
| <b>PRODUCT HEIGHT</b>       | 7 mm                                                   |
| <b>PRODUCT WIDTH</b>        | 89 mm                                                  |
| <b>PRODUCT WEIGHT</b>       | 0.027 kg                                               |
| <b>COMPLIANCES</b>          | IEC<br>RoHS conform                                    |
| <b>CERTIFICATIONS</b>       | IEC 60947                                              |
| <b>GLOBAL CATALOG</b>       | 100780                                                 |
| <b>PRODUCT TYPE</b>         | Molded case circuit breaker                            |

## Product specifications

|                                                                                         |                                                                                                                                                |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>USED WITH</b>                                                                        | NZM1, PN1, N1<br>DS7-34...SX070...<br>DS7-34...SX081...<br>DS6-340-22K...55K-MX<br>DS7-34...SX041...<br>DS7-34...SX055...<br>DS7-34...SX100... |
| <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.                                                                                                     |

## Resources

|                                      |                                                                                                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BROCHURES</b>                     | <a href="#">eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf</a><br><br><a href="#">eaton-digital-nzm-brochure-br013003en-en-us.pdf</a> |
| <b>CATALOGS</b>                      | <a href="#">eaton-digital-nzm-catalog-ca013003en-en-us.pdf</a>                                                                                       |
| <b>DRAWINGS</b>                      | <a href="#">eaton-circuit-breaker-terminals-nzm-terminal-cover-3d-drawing.eps</a>                                                                    |
| <b>INSTALLATION INSTRUCTIONS</b>     | <a href="#">eaton-circuit-breaker-terminal-cover-nzm1-il01219033z.pdf</a>                                                                            |
| <b>INSTALLATION VIDEOS</b>           | <a href="#">The new digital NZM Range</a><br><br><a href="#">Introduction of the new digital circuit breaker NZM</a>                                 |
| <b>MCAD MODEL</b>                    | <a href="#">nzm1_xksfa.dwg</a><br><a href="#">nzm1_xksfa.stp</a>                                                                                     |
| <b>SPECIFICATIONS AND DATASHEETS</b> | <a href="#">Eaton Specification Sheet - 100780</a>                                                                                                   |
| <b>TECHNICAL DATA SHEETS</b>         | <a href="#">eaton-nzm-technical-information-sheet</a>                                                                                                |

|                                                          |                                                                                          |
|----------------------------------------------------------|------------------------------------------------------------------------------------------|
| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES                  | Does not apply, since the 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.                                                   |
| FRAME                                                    | NZM1                                                                                     |
| NUMBER OF POLES                                          | Three-pole                                                                               |
| TYPE                                                     | <ul style="list-style-type: none"><li>• Accessory</li><li>• Terminal cover</li></ul>     |
| SPECIAL FEATURES                                         | <ul style="list-style-type: none"><li>• Knockout</li><li>• not UL/CSA approved</li></ul> |
| PHASE SEPARATOR TYPE                                     | Other                                                                                    |

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