

# Specifications



Photo is representative

## Eaton 260174

Eaton Moeller series NZM - Molded Case Circuit Breaker. Door coupling rotary handle, lockable on the handle, size 2

### General specifications

|                             |                                            |
|-----------------------------|--------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series NZM operating element |
| <b>CATALOG NUMBER</b>       | 260174                                     |
| <b>MODEL CODE</b>           | NZM2-XTVDV                                 |
| <b>EAN</b>                  | 4015082601744                              |
| <b>PRODUCT LENGTH/DEPTH</b> | 75 mm                                      |
| <b>PRODUCT HEIGHT</b>       | 190 mm                                     |
| <b>PRODUCT WIDTH</b>        | 90 mm                                      |
| <b>PRODUCT WEIGHT</b>       | 0.793 kg                                   |
| <b>COMPLIANCES</b>          | IEC<br>UL/CSA<br>RoHS conform              |

## Delivery programme

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FEATURES</b>         | Standard: black / gray<br>Lockable                                                                                                                                                                                                                                                                                                  |
| <b>FITTED WITH:</b>     | Padlock                                                                                                                                                                                                                                                                                                                             |
| <b>FRAME</b>            | NZM2                                                                                                                                                                                                                                                                                                                                |
| <b>SPECIAL FEATURES</b> | <ul style="list-style-type: none"> <li>• Door coupling rotary handle for operating the switch through a closed control panel door</li> <li>• External warning plate/designation label can be clipped on.</li> <li>• Complete including rotary drive and coupling parts</li> <li>• Extension shaft additionally required.</li> </ul> |
| <b>SUITABLE FOR</b>     | Switch disconnecter<br>Power circuit breaker                                                                                                                                                                                                                                                                                        |
| <b>TYPE</b>             | <ul style="list-style-type: none"> <li>• Accessory</li> <li>• Door coupling rotary handle</li> </ul>                                                                                                                                                                                                                                |
| <b>USED WITH</b>        | NZM2(-4), PN2(-4), N(S)2(-4)                                                                                                                                                                                                                                                                                                        |

## 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                                                                                                        |

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <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>COLOR</b>                                      | Black                                                                                                                                                                                                                                                                                                                               |
| <b>COVER/DOOR TYPE</b>                            | <p>Door interlock can be modified in the unlocked ON position</p> <p>Door interlock not defeated in the locked OFF and ON positions</p> <p>Door can be opened in OFF</p> <p>Door interlock can be modified such that it can be defeated from the outside using a screwdriver</p>                                                    |
| <b>DEGREE OF PROTECTION / NEMA ENCLOSURE TYPE</b> | <p>IP66</p> <p>4X. 12</p>                                                                                                                                                                                                                                                                                                           |
| <b>LOCK NUMBER</b>                                | Double lockable                                                                                                                                                                                                                                                                                                                     |
| <b>LOCKING FACILITY</b>                           | <p>Modifiable on handle in I position as well</p> <p>With door interlock</p> <p>Lockable on the handle on the switch using up to 3 padlocks</p>                                                                                                                                                                                     |
| <b>SPECIAL FEATURES</b>                           | <ul style="list-style-type: none"> <li>• Door coupling rotary handle for operating the switch through a closed control panel door</li> <li>• External warning plate/designation label can be clipped on.</li> <li>• Complete including rotary drive and coupling parts</li> <li>• Extension shaft additionally required.</li> </ul> |

## Resources

|                                  |                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BROCHURES</b>                 | <p><a href="#">eaton-digital-nzm-brochure-br013003en-en-us.pdf</a></p> <p><a href="#">eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf</a></p>                                                                                        |
| <b>CATALOGUES</b>                | <p><a href="#">eaton-digital-nzm-catalog-ca013003en-en-us.pdf</a></p> <p><a href="#">eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps</a></p> <p><a href="#">eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-008.eps</a></p> |
| <b>DRAWINGS</b>                  | <p><a href="#">eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-005.eps</a></p> <p><a href="#">eaton-circuit-breaker-door-nzm-rotary-handle-3d-drawing-004.eps</a></p>                                                                      |
| <b>INSTALLATION INSTRUCTIONS</b> | <p><a href="#">eaton-door-coupling-rotary-handle-nzm1-2-xt-il01203005z.pdf</a></p>                                                                                                                                                                 |
| <b>INSTALLATION VIDEOS</b>       | <p><a href="#">Introduction of the new digital circuit breaker NZM</a></p> <p><a href="#">The new digital NZM Range</a></p>                                                                                                                        |
| <b>MCAD MODEL</b>                | <p><a href="#">DA-CS-nzm2_xtvd</a></p> <p><a href="#">eaton-handle-mechanisms-mcad-drawings-nzm2-xtvd.dwg</a></p>                                                                                                                                  |
| <b>TECHNICAL DATA SHEETS</b>     | <p><a href="#">eaton-nzm-technical-information-sheet</a></p>                                                                                                                                                                                       |

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



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

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