Specifications

# Eaton 271842

## Catalog Number: 271842

Eaton Moeller series NZM - Molded Case Circuit Breaker. Main switch assembly kit, red



### General specifications

**Product Name**
Eaton Moeller series NZM operating element

**Catalog Number**
271842

**EAN**
4015082718428

**Product Length/Depth**
250 mm

**Product Height**
165 mm

**Product Width**
165 mm

**Product Weight**
1.941 kg

**Compliances**
UL/CSA
IEC
RoHS conform

**Certifications**
CE marking
CSA (Class No. 1437-01)
CSA (File No. 22086)
UL listed
UL489
UL (Category Control Number DIHS)
IEC60947
UL (File No. E140305)
CSA-C22.2 No. 5-09
CSA certified

Powering Business Worldwide

## Product specifications

### Used with

NZM4(-4)
N(S)4(-4)

### Type

Accessory
Main switch assembly kit

### Special features

External warning plate/designation label can be clipped on.
For enhanced busbar tag shroud on the incomer side, please order IP2X protection against contact with a finger.
Kit for use as a main switch

### Features

Lockable
With red door coupling rotary handle for use of switch as emergency switching off device to IEC/EN 60204-1, VDE 0113 part 1

### 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

## Resources

### Brochures

eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf

eaton-digital-nzm-brochure-br013003en-en-us.pdf

### Catalogs

eaton-digital-nzm-catalog-ca013003en-en-us.pdf

### Declarations of conformity

DA-DC-03_NZM4

### Drawings

eaton-circuit-breaker-switch-nzm-mccb-dimensions-003.eps

eaton-circuit-breaker-door-nzm-rotary-handle-dimensions-011.eps

eaton-circuit-breaker-switch-nzm-mccb-3d-drawing-005.eps

### Installation instructions

eaton-door-coupling-rotary-handle-nzm1-2-xt-il01203005z.pdf

### Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

### mCAD model

nzm4_xhb_r

nzm4_xhb_r.stp

### Technical data sheets

eaton-nzm-technical-information-sheet

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 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.

Color

Black

### Fitted with:

Extension shaft

Door coupling rotary handle with rotary drive

NZM...-XV4 extension shaft

Black and yellow lightning symbol

External warning plate/marking plate in German/English

Padlock

### Frame

NZM4

### Suitable for

Switch disconnector

Power circuit breaker

Emergency stop

### Cover/door type

Door interlock not defeated in the locked OFF position.

Door interlock on OFF with max. 3 padlocks

After the door interlock is activated, must not be opened while on ON or TRIP. Must only be opened on OFF

Door interlock can be modified such that it can be defeated from the outside using a screwdriver

Door interlock can only be switched ON when the door is closed

### Locking facility

Lockable on the switch in the 0 position

With door interlock

Lockable on the 0 position on the handle using up to 3 padlocks

### Degree of protection / NEMA enclosure type

IP66

4X. 12

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

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