

# Eaton 259842

Catalog Number: 259842

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 220-250VAC, for size 2

### General specifications



#### Product Name

Eaton Moeller series NZM remote operator

#### Catalog Number

259842

#### EAN

4015082598426

#### Product Length/Depth

150 mm

#### Product Height

105 mm

#### Product Width

105 mm

#### Product Weight

1.728 kg

#### Compliances

IEC  
UL/CSA  
RoHS conform

#### Certifications

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

## Product specifications

### Used with

N(S)2(-4)

NZM2(-4)

### Type

Accessory Remote operator, can be synchronized

### Special features

Cannot be combined with switch-disconnector PN... Do not install M22-CK11(20/02) dual auxiliary contacts in the center auxiliary contact slot in NZM2-XRD

### Voltage rating

220 - 250 V DC

### 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

## Resources

### Brochures

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

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

### Catalogs

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

### Declarations of conformity

[DA-DC-03\\_NZM2](#)

### Drawings

[eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps](#)

[eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-002.eps](#)

[eaton-circuit-breaker-remote-operator-nzm-remote-operator-3d-drawing.eps](#)

### eCAD model

[ETN.259842.edz](#)

### Installation instructions

[eaton-circuit-breakers-remote-operator-nzm2-xr-il01206002z.pdf](#)

### Installation videos

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

[The new digital NZM Range](#)

### mCAD model

[DA-CS-nzm2\\_xr](#)

[DA-CD-nzm2\\_xr](#)

### Technical data sheets

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

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.

#### Frame

NZM2

#### Breaking time

300 ms

#### Closing delay

60 ms

#### Voltage type

DC

#### Lifespan, mechanical

20000 operations

#### Number of poles

Three-pole/Four-pole

Number of operations per hour - max

120

Voltage tolerance - max

1.1

Voltage tolerance - min

.85

Rated control supply voltage (Us) at AC, 50 Hz - max

0 V

Rated control supply voltage (Us) at AC, 50 Hz - min

0 V

Rated control supply voltage (Us) at AC, 60 Hz - max

0 V

Rated control supply voltage (Us) at AC, 60 Hz - min

0 V

Rated control supply voltage (Us) at DC - max

250 V

Rated control supply voltage (Us) at DC - min

220 V

Signal duration of remote operator at switch off - min

150 ms

Signal duration of remote operator at switch on - min

30 ms

Switch drive type

Motor drive

Terminal capacity (solid/flexible conductor)

0.75 mm<sup>2</sup> - 2.5 mm<sup>2</sup> with ferrule

18 - 14 AWG

Operating voltage - max

1.1 x Us

Operating voltage - min

0.85 x Us

Power consumption

250 W (24 - 30 V DC)



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