

Eaton 259858

Catalog Number: 259858

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 110-130VDC, for size 3

General specifications



Product Name

Eaton Moeller series NZM remote operator

Catalog Number

259858

EAN

4015082598587

Product Length/Depth

170 mm

Product Height

140 mm

Product Width

140 mm

Product Weight

2.8 kg

Compliances

UL/CSA

IEC

RoHS conform

Certifications

UL489

IEC60947

UL (Category Control Number DIHS)

CSA (File No. 22086)

CE marking

CSA certified

CSA (Class No. 1437-01)

CSA-C22.2 No. 5-09

UL (File No. E140305)

UL listed

Product specifications

Used with

NZM3(-4)

N(S)3(-4)

Type

Accessory

Remote operator, can be
synchronized

Special features

Cannot be combined with
switch-disconnector PN...
M22-CK11(20/02) dual
auxiliary switch cannot be
combined with NZM3-XR...
remote operator

Voltage rating

110 - 130 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

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_NZM3](#)

Drawings

[eaton-circuit-breaker-remote-operator-nzm-remote-operator-dimensions-004.eps](#)

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

eCAD model

[ETN.259858.edz](#)

Installation instructions

[eaton-remote-operator-nzm3-xr-il01208006z.pdf](#)

Installation videos

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

[The new digital NZM Range](#)

mCAD model

[DA-CD-nzm3_xr](#)

[DA-CS-nzm3_xr](#)

Technical data sheets

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

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.

Frame

NZM3

Breaking time

1000 ms

Closing delay

80 ms

Voltage type

DC

Lifespan, mechanical

15000 operations

Number of poles

Three-pole/Four-pole

Number of operations per hour - max

60

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

130 V

Rated control supply voltage (Us) at DC - min

110 V

Signal duration of remote operator at switch off - min

250 ms

Signal duration of remote operator at switch on - min

30 ms

Switch drive type

Motor drive

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² 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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