Specifications

Eaton 259838



Catalog Number: 259838

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 48-60VDC, for size 2

General specifications

Product Name
Eaton Moeller series NZM remote operator

Catalog Number
259838

EAN
4015082598389

Product Length/Depth
150 mm

Product Height
105 mm

Product Width
105 mm

Product Weight
1.728 kg

Compliances
UL/CSA
IEC
RoHS conform

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

Powering Business Worldwide

Product specifications

Used with

NZM2(-4)

N(S)2(-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

48 - 60 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-remote-operator-nzm-remote-operator-dimensions-002.eps

eaton-circuit-breaker-padlock-nzm-rotary-handle-dimensions.eps

eaton-circuit-breaker-remote-operator-nzm-remote-operator-3d-drawing.eps

eCAD model

ETN.259838.edz

Installation instructions

eaton-circuit-breakers-remote-operator-nzm2-xr-il01206002z.pdf

Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

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

AC

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

60 V

Rated control supply voltage (Us) at DC - min

48 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^2 - 2.5 mm^2 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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