

Eaton 259838

Catalog Number: 259838

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

General specifications



Product Name	Catalog Number
Eaton Moeller series NZM remote operator	259838
	EAN
	4015082598389
Product Length/Depth	Product Height
150 mm	105 mm
Product Width	Product Weight
105 mm	1.728 kg
Compliances	Certifications
UL/CSA	UL (File No. E140305)
IEC	IEC60947
RoHS conform	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)

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 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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