

Eaton 259854

Catalog Number: 259854

Eaton Moeller series NZM - Molded Case Circuit Breaker. Remote operator, 24-30VDC, for size 3

General specifications

Product Name	Catalog Number
Eaton Moeller series NZM remote operator	259854
	EAN
	4015082598549
Product Length/Depth	Product Height
170 mm	140 mm
Product Width	Product Weight
140 mm	2.8 kg
Compliances	Certifications
UL/CSA	UL (Category Control Number DIHS)
IEC	IEC60947
RoHS conform	CE marking
	UL (File No. E140305)
	UL listed
	CSA (File No. 22086)
	CSA-C22.2 No. 5-09
	CSA certified
	CSA (Class No. 1437-01)
	UL489



Product specifications

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Operating voltage - max

1.1 x Us

Frame

NZM3

Signal duration of remote operator at switch off - min

250 ms

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

0 V

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Voltage tolerance - min

.85

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Rated control supply voltage (Us) at DC - min

24 V

Power consumption

250 W (24 - 30 V DC)

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

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

0 V

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.8 Connections for external conductors

Is the panel builder's responsibility.

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](#)

Certification reports

[DA-DC-03_NZM3](#)

Drawings

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

[123X196](#)

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

[123X498](#)

Installation instructions

[IL01208006Z](#)

Lifespan, mechanical

15000 operations

Closing delay

80 ms

Voltage rating

24 - 30 V DC

Switch drive type

Motor drive

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

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 tolerance - max

1.1

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

0 V

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² with ferrule

18 - 14 AWG

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Rated control supply voltage (Us) at DC - max

30 V

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Number of poles

Three-pole/Four-pole

Type

Accessory Remote operator, can be synchronized

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

Breaking time

1000 ms

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

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

0 V

Signal duration of remote operator at switch on - min

30 ms

Used with

N(S)3(-4)

NZM3(-4)

Operating voltage - min

0.85 x Us

Number of operations per hour - max

60

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Voltage type

DC



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