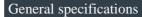
Eaton 259810



Eaton Moeller series NZM - Molded Case Circuit Breaker. Shunt release, 24VAC/DC, +1early N/O, 2/3



Product Name

Eaton Moeller series NZM release

EAN

4015082598105

Product Height

90 mm

Product Weight

0.1 kg

Catalog Number

259810

Product Length/Depth

42 mm

Product Width

30 mm

Compliances

IEC

UL/CSA

RoHS conform



UL (Category Control Number DIHS)

CSA-C22.2 No. 5-09

CE marking

UL489

UL listed

CSA certified

CSA (Class No. 1437-01)

UL (File No. E140305)

CSA (File No. 22086)

IEC60947





Product specifications

Used with

NZM3(-4), N(S)3(-4) NZM2(-4), N(S)2(-4)

Type

Accessory
Shunt release

Special features

Cannot be used in

conjunction with NZM...XR... remote operator.
If the shunt trip is live,
contact with the circuit
breaker's primary contacts is
prevented when switched
on.

Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.

Shunt releases cannot be installed simultaneously with

NZM...-XHIV... early-make auxiliary contact or NZM...-

XU... undervoltage release.

Voltage rating

0.7 - 1.1 x Us

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.

Resources

Brochures

 $eaton-feerum-the-whole-grain-solution-success-story-en-us.pdf \\ eaton-digital-nzm-brochure-br013003en-en-us.pdf$

Catalogs

eaton-digital-nzm-catalog-ca013003en-en-us.pdf

Declarations of conformity

DA-DC-03_NZM2

Drawings

eaton-circuit-breaker-undervoltage-nzm-mccb-3d-drawing-002.eps

eCAD model

DA-CE-ETN.NZM2_3-XAHIV24AC_DC

Installation instructions

eaton-circuit-breaker-voltage-release-nzm2-3-il012141zu.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

Technical data sheets

eaton-nzm-technical-information-sheet

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 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. Electric connection type Screw connection Fitted with: Early-make auxiliary contact Frame NZM2/3 Frequency rating 50 Hz / 60 Hz / 200 Hz / 400 Hz, DC (shunt release) Minimum command time - max 15 ms Minimum command time - min 10 ms Number of contacts (normally open contacts) 1 Reaction time 20 ms Pick-up power consumption (shunt release) 2.5 VA/W Rated control supply voltage 24 V AC/DC Rated control supply voltage (Us) at AC, 50 Hz - max 24 V Rated control supply voltage (Us) at AC, 50 Hz - min 24 V Rated control supply voltage (Us) at AC, 60 Hz - max Rated control supply voltage (Us) at AC, 60 Hz - min 24 V Suitable for Off-load switch Connection type With bolt connection Voltage type AC/DC

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule 18 - 14 AWG (1x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule 18 - 14 AWG (2x) at shunt release 18 - 14 AWG (2x) for undervoltage releases, off-delayed 0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule 18 - 14 AWG (1x) at shunt release Rated control supply voltage (Us) at DC - max 24 V Rated control supply voltage (Us) at DC - min 24 V Voltage rating at AC (x Us) - max 1.1 Voltage rating at AC (x Us) - min .7 Number of contacts (normally closed contacts) 0 Number of contacts (change-over contacts) 0 Undelayed short-circuit release - min 0 A Undelayed short-circuit release - max 0 A Time on duty - max Rated control voltage (relay contacts) 24 V DC

24 V AC



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