Specifications

Eaton 259688

Catalog Number: 259688

Eaton Moeller series NZM - Molded Case Circuit Breaker. Undervoltage release, +2early N/O, for delay unit, +cable



General specifications

Product Name
Eaton Moeller series NZM release

Catalog Number
259688

EAN
4015082596880

Product Length/Depth
42 mm

Product Height
90 mm

Product Width
30 mm

Product Weight
0.074 kg

Compliances
IEC
RoHS conform

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

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Product specifications

Used with

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

Type

Accessory Undervoltage release Undervoltage release for use with delay unit UVU

Special features

Combination of separate delay unit and special releases. For use with emergency-stop devices in connection with an emergency-stop button. not UL/CSA approved Special releases for combining with separate delay time. UVU-NZM delay unit is additionally required. Cannot be installed simultaneously with separate NZM...-XHIV early-make auxiliary contact or NZM...-XA... shunt release. Cannot be used in conjunction with NZM...-XR... remote operator. Early make of auxiliary contact on switching on and off (manual operation): approx. 20 ms.

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

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

eCAD model

DA-CE-ETN.NZM2_3-XUVHIV20

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

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:

Two separate early-make auxiliary contacts

Frame

NZM2/3

Number of contacts (normally open contacts)

2

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

Voltage rating at DC

18 V DC

Suitable for

Off-load switch

Connection type

Contacts 3.23 and 3.24 with separate 3 m connection cables
With bolt connection

Voltage type

AC

Functions

Delayed

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed with ferrule
18 - 14 AWG (2x) for undervoltage releases, off-delayed
0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule
0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule
0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule
18 - 14 AWG (1x) at shunt release
18 - 14 AWG (1x) for undervoltage releases, off-delayed
18 - 14 AWG (2x) at shunt release

Rated control supply voltage (Us) at DC - max

0 V

Rated control supply voltage (Us) at DC - min

0 V

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

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