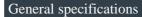
Eaton 266446

FIT-N

Catalog Number: 266446

Eaton Moeller series NZM - Molded Case Circuit Breaker. Shunt release, 12VAC/DC, 4





Eaton Moeller series NZM release

EAN

4015082664466

Product Height

51 mm

Product Weight

0.218 kg

Catalog Number

266446

Product Length/Depth

107 mm

Product Width

64 mm

Compliances

IEC

UL/CSA

RoHS conform



CSA-C22.2 No. 5-09

UL (File No. E140305)

CSA (File No. 22086)

UL listed

CSA (Class No. 1437-01)

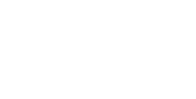
IEC60947

UL (Category Control Number DIHS)

CSA certified

UL489

CE marking





Product specifications

Used with

NZM4(-4), N(S)4(-4)

Type

Accessory

Shunt release

Special features

Switches are tripped by a

voltage pulse or by the

application of uninterrupted

voltage.

If the shunt trip is live,

contact with the circuit

breaker's primary contacts is

prevented when switched

on.

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.

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.

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_NZM4

Drawings

eaton-circuit-breaker-auxiliary-contact-nzm-shunt-release-3d-drawing.eps

eCAD model

DA-CE-ETN.NZM4-XA12AC_DC

Installation instructions

IL01206003Z

eaton-circuit-breaker-voltage-release-nzm4-il01210005z.pdf

eaton-circuit-breaker-voltage-release-nzm4-il012143zu.pdf

Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

Technical data sheets

eaton-nzm-technical-information-sheet

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

Frame NZM4 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) Reaction time 22 ms Pick-up power consumption (shunt release) 2.5 VA/W Rated control supply voltage 12 V AC/DC Rated control supply voltage (Us) at AC, 50 Hz - max 12 V Rated control supply voltage (Us) at AC, 50 Hz - min 12 V Rated control supply voltage (Us) at AC, 60 Hz - max 12 V Rated control supply voltage (Us) at AC, 60 Hz - min 12 V Suitable for Off-load switch Connection type With bolt connection Voltage type AC Terminal capacity (solid/flexible conductor) 0.75 mm² - 2.5 mm² (1x) for undervoltage releases, off-delayed with ferrule 0.75 mm² - 2.5 mm² (2x) at shunt release with ferrule 18 - 14 AWG (1x) for undervoltage releases, off-delayed

18 - 14 AWG (2x) for undervoltage releases, off-delayed

0.75 mm² - 2.5 mm² (2x) for undervoltage releases, off-delayed

0.75 mm² - 2.5 mm² (1x) at shunt release with ferrule

18 - 14 AWG (1x) at shunt release

with ferrule

18 - 14 AWG (2x) at shunt release

Rated control supply voltage (Us) at DC - max

12 V

Rated control supply voltage (Us) at DC - min

12 V

Voltage rating at AC (x Us) - max

Voltage rating at AC (x Us) - min

.7

Number of contacts (normally closed contacts)

0

Number of contacts (change-over contacts)

Undelayed short-circuit release - min

Undelayed short-circuit release - max

0 A

Time on duty - max

Rated control voltage (relay contacts)

12 V AC

12 V DC



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