Specifications

Eaton 116963



Catalog Number: 116963

Eaton Moeller series NZM - Molded Case Circuit Breaker. Earth-leakage circuit-breaker 0, 03-5 A, 110AC

General specifications

Product Name
Eaton Moeller series NZM release

Catalog Number
116963

EAN
4015081167036

Product Length/Depth
80 mm

Product Height
45 mm

Product Width
95 mm

Product Weight
0.187 kg

Compliances
IEC
RoHS conform

Certifications
IEC 1009
IEC 1008
IEC 755
IEC/EN 60947-2

Powering Business Worldwide

Product specifications

Type

Accessory Residual current relays Voltage release

Special features

Adjustable fault current and delay time Fault current early warning by flashing, red LED Pulse-current sensitive Integrated auxiliary contact (1 C/O) Ring-type transformer must also be ordered not UL/CSA approved

Features

1 integrated changeover contact (relay contact)
Sealable, setting buttons

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 evaluated.

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_PFR

Drawings

eaton-circuit-breaker-nzm-mccb-dimensions-034.eps

eaton-circuit-breaker-current-nzm-mccb-3d-drawing.eps

eCAD model

DA-CE-ETN.PFR-5-110AC

Installation instructions

IL01219036Z

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

Technical data sheets

eaton-nzm-technical-information-sheet

10.2.6 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

45 mm
NZM1/2/3/4

Mounting Method

Snap fixing, top-hat rail DIN 46277, IEC/EN 60715

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-10 °C

Current rating of relay contact

6 A

Device width

85 mm

Power consumption

3 W

Power on-delay time - max

5000 ms

Power on-delay time - min

5000 ms

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

132 V

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

88 V

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

132 V

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

88 V

Rated control supply voltage (Us) at DC - max

0 V

Terminal protection

Finger/back-of-hand proof to BGV A2, VDE 106 part 100

Terminals (top and bottom)

Box terminals

Voltage rating of relay contact

250 V AC / 100 V DC

Delay time

0.02, 0.1, 0.3, 0.5, 1, 3, 5 ms

Functions

Delay adjustable

Terminal capacity (solid/flexible conductor)

0.75 mm² - 2.5 mm² (2x) solid, 0.75 mm² - 1.5 mm² (2x) flexible/with ferrules
0.75 mm² - 1.5 mm² (2x) with ferrules

Rated control supply voltage (Us) at DC - min

0 V

Rated fault current - max

5 A

Rated fault current - min

0.03 A

Rated operating voltage (Ue) - max

132 V

Sensitivity type

Pulse current sensitive, type A

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