Specifications

Eaton 285555



Catalog Number: 285555

Eaton Moeller series NZM - Molded Case Circuit Breaker. Earth-leakage circuit-breakers 30mA

General specifications

Product Name
Eaton Moeller series NZM release

Catalog Number
285555

EAN
4015082855550

Product Length/Depth
80 mm

Product Height
45 mm

Product Width
95 mm

Product Weight
0.182 kg

Compliances
IEC
RoHS conform

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

Powering Business Worldwide

Product specifications

Type

Accessory
Residual current relays
Voltage release

Special features

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)

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.

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

ETN.PFR-003

Installation instructions

IL01219036Z

Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

mCAD model

pfr_003

pfr_003.stp

Technical data sheets

eaton-nzm-technical-information-sheet

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.

Frame

NZM1/2/3/4

45 mm

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

20 ms

Power on-delay time - min

20 ms

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

276 V

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

184 V

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

276 V

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

184 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 ms (non-delayed)

Terminal capacity (solid/flexible conductor)

0.75 mm^2 - 1.5 mm^2 (2x) with ferrules

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

Rated control supply voltage (Us) at DC - min

0 V

Rated fault current - max

0.03 A

Rated fault current - min

0.03 A

Rated operating voltage (Ue) - max

276 V

Sensitivity type

Pulse current sensitive, type A

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