Specifications

Eaton 285558



Catalog Number: 285558

Eaton Moeller series NZM - Molded Case Circuit Breaker. Current transformer for earth-leakage circuit-breaker inner diameter 21mm

General specifications

Product Name
Eaton Moeller series NZM release

Catalog Number
285558

EAN
4015082855581

Product Length/Depth
80 mm

Product Height
45 mm

Product Width
80 mm

Product Weight
0.085 kg

Compliances
RoHS conform

Certifications
IEC

Powering Business Worldwide

Product specifications

Type

Accessory Earth-fault releases, transformer Voltage release

Special features

In combination with PFR residual current relay not UL/CSA approved

Voltage rating

690 V AC 50/60 Hz

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.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

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_PFR

Drawings

eaton-circuit-breaker-transformer-nzm-dimensions.eps

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

eCAD model

DA-CE-ETN.PFR-W-20

Installation instructions

IL01219036Z

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

mCAD model

DA-CD-pfr_w_20

DA-CS-pfr_w_20

Technical data sheets

eaton-nzm-technical-information-sheet

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

Mounting Method

With top-hat rail 1 - 4 mm
Wall thickness:
Without top-hat rail (CPU) 1 - 6 mm
2 x 22.5 mm, display fixed with 2 fixing rings.

Transformer opening diameter

20 mm

Power on-delay time - max

0 ms

Power on-delay time - min

0 ms

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

Rated control supply voltage (Us) at DC - max

0 V

Voltage rating of relay contact

690 V (50/60 Hz)

Rated control supply voltage (Us) at DC - min

0 V

Rated fault current - max

0 A

Rated fault current - min

0 A

Rated operating voltage (Ue) - max

0 V

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