Specifications

Eaton 271457



Catalog Number: 271457

Eaton Moeller series NZM - Molded Case Circuit Breaker. Tunnel terminal, 3p, 1 page, size 2

General specifications

Product Name
Eaton Moeller series NZM connection type

Catalog Number
271457

EAN
4015082714574

Product Length/Depth
76 mm

Product Height
85 mm

Product Width
102 mm

Product Weight
0.517 kg

Compliances
UL/CSA
IEC
RoHS conform

Certifications
UL (Category Control Number DIHS)
CSA (Class No. 1432-01)
CSA (File No. 22086)
UL (File No. E31593)
CSA certified
UL489
UL listed
IEC60947
CE marking
CSA-C22.2 No. 5-09

Powering Business Worldwide

Product specifications

Used with

NZM2, PN2, N(S)2

Type

Accessory
Tunnel terminal

Amperage Rating

300 A (Cu), 250 A (Al)

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_NZM2

Drawings

eaton-circuit-breaker-terminals-nzm-tunnel-terminal-dimensions-004.eps

eaton-circuit-breaker-terminals-nzm-tunnel-terminal-3d-drawing-004.eps

Installation instructions

eaton-circuit-breakers-nzm-2-3-(-4)-xka1-2-instruction-leaflet-il01210007z.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

mCAD model

nzm2_xka

nzm2_xka.stp

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

NZM2

Suitable for

Copper cable

Three-pole

Number of poles

Three-pole

Model

Other

Terminal capacity (stranded cable)

16 mm² - 185 mm² (1x) at digital input of supply connection

Max. 240 mm² at digital input of supply connection

6 - 350 AWG/kcmil (1x)



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