Specifications

Eaton 281591

Catalog Number: 281591

Eaton Moeller series NZM - Molded Case Circuit Breaker. Connection width extension, 3p, spacing 95mm



General specifications

Product Name
Eaton Moeller series NZM connection type

Catalog Number
281591

EAN
4015082815912

Product Length/Depth
140 mm

Product Height
50 mm

Product Width
90 mm

Product Weight
3.175 kg

Compliances
IEC
UL/CSA
RoHS conform

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

Powering Business Worldwide

Product specifications

Used with

NZM4, N(S)4

Type

Accessory
Connection width extension
Terminal

Special features

Five-hole fitting

Amperage Rating

1600 A

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-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_NZM4

Drawings

eaton-circuit-breaker-connection-nzm-mccb-dimensions-004.eps

eaton-circuit-breaker-connection-nzm-mccb-3d-drawing-005.eps

Installation instructions

IL01210014Z

Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

mCAD model

nzm4_xkv95.stp

nzm4_xkv95

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

NZM4

Suitable for

Copper cable lugs

Three-pole

Number of poles

Three-pole

Terminal capacity (copper strip)

Min. 10 segments of 50 mm x 1 mm

Terminal capacity (flexible cable)

Max. 500 AWG/kcmil (6x)

300 mm² (4x)

600 AWG/kcmil (4x)

95 mm² - 240 mm² (6x)

Terminal capacity (copper busbar)

Max. 80 mm x 10 mm (2x)

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