Specifications

Eaton 109777

Catalog Number: 109777

Eaton Moeller series NZM - Molded Case Circuit Breaker. Socket 3p, 108A



General specifications

Product Name
Eaton Moeller series NZM plug-in unit

Catalog Number
109777

EAN
4015081089598

Product Length/Depth
190 mm

Product Height
78 mm

Product Width
100 mm

Product Weight
0.678 kg

Compliances
IEC
RoHS conform

Certifications
IEC/EN 60947

Powering Business Worldwide

Product specifications

Type

Accessory Plug-in socket for basic unit

Features

Version as busbar adapter

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.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

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_NZM1

Drawings

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

eaton-circuit-breaker-nzm-socket-3d-drawing.eps

eCAD model

ETN.109777.edz

Installation instructions

eaton-nzm1-xsv-s-e-instruction-leaflet-il01219038z.pdf

Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

mCAD model

DA-CS-nzm1_xsvs

DA-CD-nzm1_xsvs

Technical data sheets

eaton-nzm-technical-information-sheet

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

Mounting Method

Plug-in unit

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30
Damp heat, constant, to IEC 60068-2-78

Equipment heat dissipation, current-dependent

14.06 W

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-25 °C

Ambient storage temperature - max

70 °C

Ambient storage temperature - min

-40 °C

Nominal current

108 A

Protection against direct contact

Finger and back-of-hand proof to VDE 0106 part 100

Terminal equipment included

Screw connection

Isolation

300 V AC (between the auxiliary contacts)

500 V AC (between auxiliary contacts and main contacts)

Degree of protection

IP2X (in the area of the plug-in area)

Direction of incoming supply

As required

Electrical connection type of main circuit

Frame clamp

Mounting position

Vertical and 90° right/left

Number of poles

Three-pole

Shock resistance

20 g (half-sinusoidal shock 20 ms)

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