Specifications

Eaton 168480



Catalog Number: 168480

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 250A, plug-in module, NZMN3-VE250-SVE

General specifications

Product Name
Eaton Moeller series NZM molded case circuit breaker electronic

Catalog Number
168480

EAN
4015081649617

Product Length/Depth
335 mm

Product Height
215.2 mm

Product Width
140 mm

Product Weight
7.72 kg

Compliances
RoHS conform

Powering Business Worldwide

Product specifications

Amperage Rating

250 A

Voltage rating

690 V - 690 V

Features

Protection unit

Motor drive optional

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-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_N3

eCAD model

DA-CE-ETN.NZMN3-VE250-SVE

Installation instructions

eaton-circuit-breaker-plug-in-adapter-nzm2-il01219023z.pdf

Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

mCAD model

nzmh3_me220_sve.dwg

nzmh3_me220_sve.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.

Mounting Method

Built-in device plug-in technique

Equipment heat dissipation, current-dependent

18.75 W

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Number of auxiliary contacts (normally open contacts)

0

Degree of protection

IP20

Electrical connection type of main circuit

Screw connection

Number of poles

Three-pole

Position of connection for main current circuit

Front side

Rated operational current for specified heat dissipation (In)

250 A

Handle type

Rocker lever

Short delay current setting (Isd) - max

2500 A

Short delay current setting (Isd) - min

250 A

Instantaneous current setting (Ii) - max

2750 A

Instantaneous current setting (Ii) - min

500 A

Overload current setting (Ir) - max

250 A

Overload current setting (Ir) - min

125 A

Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 400/415 V, 50/60 Hz

50 kA

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