Product specifications

# Eaton 168511


Photo is representative

## Catalog Number: 168511

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 400A, 250A in 4th pole, plug-in module, N, 3, 20

### General specifications

**Product Name**
Eaton Moeller series NZM molded case circuit breaker thermo-magnetic

**Catalog Number**
168511

**Model Code**
NZMN3-4-A400/250-SVE

**EAN**
4015081649891

**Product Length/Depth**
335 mm

**Product Height**
215.2 mm

**Product Width**
185 mm

**Product Weight**
8.81 kg

**Compliances**
RoHS conform

Powering Business Worldwide

## defaultTaxonomyAttributeLabel

### Special features

Rated current = rated uninterrupted current: 400 A

### Amperage Rating

400 A

### Voltage rating

690 V - 690 V

### Features

Motor drive optional

Protection unit

### 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

## 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

### Certification reports

DA-DC-03_N3

### eCAD model

DA-CE-ETN.NZMN3-4-A400_250-SVE

### Installation instructions

IL012190023Z

### Installation videos

The new digital NZM Range

Introduction of the new digital circuit breaker NZM

### mCAD model

nzmn3_4_a320_sve.stp

nzmn3_4_a320_sve.dwg

### Technical data sheets

eaton-nzm-technical-information-sheet

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.

### Mounting Method

Built-in device plug-in technique

### Equipment heat dissipation, current-dependent

96.48 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

### 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

Current rating of neutral conductor

60% of phase conductor

Number of poles

Four-pole

Position of connection for main current circuit

Front side

Short-circuit release non-delayed setting - max

4000 A

Short-circuit release non-delayed setting - min

2400 A

Handle type

Rocker lever

Short delay current setting (Isd) - max

0 A

Short delay current setting (Isd) - min

0 A

Instantaneous current setting (Ii) - max

10 A

Instantaneous current setting (Ii) - min

6 A

Overload current setting (Ir) - max

400 A

Overload current setting (Ir) - min

320 A

Overload current setting (Ir)

200 A - 250 A

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

50 kA

Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 500 V DC

30 kA

Rated short-circuit breaking capacity Ics (IEC/EN 60947) at 750 V DC

30 kA

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