

# Eaton 168514

Catalog Number: 168514

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 400A, 250A in 4th pole, withdrawable unit, NZMN3-4-VE400/250-SVE



Photo is representative

## General specifications

### Product Name

Eaton Moeller series NZM molded case  
circuit breaker electronic

### Catalog Number

168514

### Model Code

NZMN3-4-VE400/250-SVE

### EAN

4015081649921

### Product Length/Depth

335 mm

### Product Height

215.2 mm

### Product Width

185 mm

### Product Weight

10.04 kg

### Compliances

RoHS conform

**Amperage Rating**

400 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.

**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](#)
**Certification reports**
[DA-DC-03\\_N3](#)
**eCAD model**
[DA-CE-ETN.NZMN3-4-VE400\\_250-SVE](#)
**Installation instructions**
[IL01219023Z](#)
**Installation videos**
[The new digital NZM Range](#)
[Introduction of the new digital circuit breaker NZM](#)
**mCAD model**
[nzm3\\_4\\_a320\\_sve.dwg](#)
[nzm3\\_4\\_a320\\_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

72 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

Four-pole

Position of connection for main current circuit

Front side

Handle type

Rocker lever

Short delay current setting (I<sub>sd</sub>) - max

4000 A

Short delay current setting (I<sub>sd</sub>) - min

400 A

Instantaneous current setting (I<sub>i</sub>) - max

4400 A

Instantaneous current setting (I<sub>i</sub>) - min

800 A

Overload current setting (I<sub>r</sub>) - max

400 A

Overload current setting (I<sub>r</sub>) - min

200 A

Rated short-circuit breaking capacity I<sub>cs</sub> (IEC/EN 60947) at  
400/415 V, 50/60 Hz

50 kA



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