Specifications

# Eaton 168515



## Catalog Number: 168515

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 4p, 630A, 400A in 4th pole, withdrawable unit, NZMN3-4-VE630/400-SVE

### General specifications

**Product Name**
Eaton Moeller series NZM molded case circuit breaker electronic

**Catalog Number**
168515

**EAN**
4015081649938

**Product Length/Depth**
335 mm

**Product Height**
215.2 mm

**Product Width**
185 mm

**Product Weight**
10.04 kg

**Compliances**
RoHS conform

Powering Business Worldwide

## Product specifications

### Amperage Rating

630 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.NZMN3-4-VE630_400-SVE

### Installation instructions

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

### Installation videos

Introduction of the new digital circuit breaker NZM

The new digital NZM Range

### mCAD model

nzmn3_4_a320_sve.dwg

nzmn3_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

178.61 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 (Isd) - max

4410 A

Short delay current setting (Isd) - min

0 A

Instantaneous current setting (Ii) - max

5040 A

Instantaneous current setting (Ii) - min

1260 A

Overload current setting (Ir) - max

630 A

Overload current setting (Ir) - min

315 A

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

50 kA

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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