

Eaton 168470

Catalog Number: 168470

Eaton Moeller series NZM - Molded Case Circuit Breaker. Switch-disconnector 4p + plug-in contacts, 400A

General specifications



Product Name

Eaton Moeller series NZM switch-disconnector

Catalog Number

168470

Model Code

N3-4-400-SVE

EAN

4015081649518

Product Length/Depth

335 mm

Product Height

215.2 mm

Product Width

185 mm

Product Weight

7.75 kg

Compliances

RoHS conform

Special features

Main switch characteristics including positive drive to IEC/EN 60204 and VDE 0113. Isolating characteristics to IEC/EN 60947-3 and VDE 0660. Busbar tag shroud to VDE 0160 Part 100.

Rated current = rated uninterrupted current: 400 A

Amperage Rating

400 A

Voltage rating

690 V - 690 V

Features

Version as emergency stop installation

Version as maintenance-/service switch

Motor drive optional

Version as main switch

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.

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.N3-4-400-SVE](#)

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](#)

10.2.5 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

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

Ground mounting

Intermediate mounting

Distribution board installation

Equipment heat dissipation, current-dependent

43.2 W

Rated short-time withstand current (I_{cw})

12 kA

Degree of protection

IP20

Electrical connection type of main circuit

Screw connection

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

Rated operating power at AC-23, 400 V

200 kW

Rated operating power at AC-3, 400 V

0 kW

Degree of protection (IP), front side

IP20

Number of poles

Four-pole

Handle color

Black

Functions

Voltage release optional

Interlockable

Number of switches

1

Rated conditional short-circuit current (I_q)

0 kA

Rated operating voltage (U_e) at AC - max

690 V

Rated permanent current at AC-21, 400 V

0 A

Rated permanent current at AC-23, 400 V

0 A

Switching power at 400 V

0 kW

Handle type

Rocker lever

Short-circuit protective device fuses - max

630 A gL



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

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