

# Eaton 168483

Catalog Number: 168483

Eaton Moeller series NZM - Molded Case Circuit Breaker. Circuit-breaker, 3p, 220A, plug-in module, NZMN3-ME220-SVE

General specifications



Product Name	Catalog Number
Eaton Moeller series NZM molded case circuit breaker electronic	168483
	EAN
	4015081649631
Product Length/Depth	Product Height
335 mm	215.2 mm
Product Width	Product Weight
140 mm	7.72 kg
Compliances	
RoHS conform	

## Product specifications

### Type

Circuit breaker

### Amperage Rating

220 A

### Voltage rating

690 V - 690 V

### 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.

### 10.2.7 Inscriptions

## Resources

### 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](#)

### Declarations of conformity

[DA-DC-03\\_N3](#)

### eCAD model

[DA-CE-ETN.NZMN3-ME220-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

[nzmh3\\_me220\\_sve.dwg](#)

[nzmh3\\_me220\\_sve.stp](#)

### Technical data sheets

[eaton-nzm-technical-information-sheet](#)

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.

#### Fitted with:

Thermal protection

#### Mounting Method

Built-in device plug-in technique

#### Equipment heat dissipation, current-dependent

14.52 W

#### Rated operating power at AC-3, 230 V

55 kW

#### Rated operating power at AC-3, 400 V

110 kW

#### Switch off technique

Electronic

#### Degree of protection

IP20

#### Direction of incoming supply

As required

Electrical connection type of main circuit

Screw connection

Number of poles

Three-pole

Functions

Phase failure sensitive

Rated operational current for specified heat dissipation (In)

220 A

Handle type

Rocker lever

Instantaneous current setting (Ii) - max

3080 A

Instantaneous current setting (Ii) - min

440 A

Overload current setting (Ir) - max

220 A

Overload current setting (Ir) - min

110 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 440 V, 50/60 Hz

50 kA

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

50 kA