Specifications

# Eaton 108112

## Catalog Number: 108112

Eaton Moeller series xPole - PKP62/M2 RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 20A, 30mA, MCB trip curve C, 2 p, RCCB trip char.: A




### General specifications

**Product Name**
Eaton Moeller series xPole - PKP62/M2 RCBO - residual-current circuit breaker with overcurrent protection

**Catalog Number**
108112

**EAN**
4015081077663

**Product Length/Depth**
86 mm

**Product Height**
75 mm

**Product Width**
37 mm

**Product Weight**
0.25 kg

**Compliances**
CE Marked
RoHS conform

**Certifications**
CE

Powering Business Worldwide

## Product specifications

### Type

RCBO

### Application

Switchgear for residential and commercial applications

### Voltage rating

230 V

### Surge current capacity

0.25 kA

### Voltage type

AC

### Width in number of modular spacings

2

### 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.

## Resources

### Catalogs

eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf

eaton-xpole-pkpm2-rcbo-catalog-ca019053en-en-us.pdf

eaton-xpole-pkp62-rcbo-catalog-ca019054en-en-us.pdf

### Characteristic curve

eaton-xpole-afdd-characteristic-curve-002.jpg

### Declarations of conformity

DA-DC-03_PKP.2

### Drawings

eaton-xeffect-frbm6m-characteristic-curve-003.jpg

eaton-xeffect-frbm6m-dimensions-002.jpg

eaton-xeffect-frbm6m-3d-drawing-017.jpg

eaton-xeffect-frbm6m-wiring-diagram-003.jpg

### eCAD model

ETN.PKPM2-20_2_C_003-A

### Installation instructions

IL019140ZU

### 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.

### Operating ambient temperature - max

40 °C

### Operating ambient temperature - min

-25 °C

### Product application

Switchgear for industrial and advanced commercial applications

### Product range

PKPM2

### Rated current

20 A

Rated operational current for specified heat dissipation (In)

20 A

Rated switching capacity (IEC/EN 61009)

10 kA

Static heat dissipation, non-current-dependent

0 W

Tripping characteristic

C

Built-in depth

70 mm

Current limiting class

3

Rated short-circuit breaking capacity (EN 60947-2)

0 kA

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-25 °C

Fault current rating

0.03 A

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Number of poles (protected)

2

Number of poles (total)

2

Rated operational voltage (Ue) - max

230 V

Rated short-circuit breaking capacity (IEC 60947-2)

0 kA

Rated switching capacity

10 kA

Basic function

Combined RCD/MCB devices

Equipment heat dissipation, current-dependent

5.9 W

Rated impulse withstand voltage (Uimp)

4 kV

Degree of protection

IP20

Tripping

Non-delayed

Overvoltage category

III

Pollution degree

2

Impulse withstand current

Partly surge-proof, 250 A

Leakage current type

A

Release characteristic

C

Sensitivity type

Type A, pulse-current sensitive

Frequency rating

50 Hz

Rated insulation voltage (Ui)

250 V

Connectable conductor cross section (solid-core) - min

1 mm²

Connectable conductor cross section (solid-core) - max

25 mm²

Connectable conductor cross section (multi-wired) - min

1 mm²

Connectable conductor cross section (multi-wired) - max

25 mm²

Rated short-circuit breaking capacity (EN 61009)

10 kA

Rated short-circuit breaking capacity (EN 61009-1)

10 kA

Number of poles

Two-pole

Disconnection characteristic

Undelayed

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

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia