

# Eaton 236975

Catalog Number: 236975

Eaton Moeller series xPole - PXX RCBO - residual-current circuit breaker with overcurrent protection. RCBO C 32A 1+N 300mA sensitivity A



## General specifications

Product Name	Catalog Number
Eaton Moeller series xPole - PXX RCBO	236975
- residual-current circuit breaker with overcurrent protection	EAN 4015082369750
Product Length/Depth	Product Height
80 mm	75 mm
Product Width	Product Weight
35 mm	0.205 kg
Compliances	Certifications
CE Marked RoHS conform	CE

## Product specifications

### Type

RCBO

### Application

Switchgear for residential and commercial applications

### Amperage Rating

32 A

### Voltage rating

240 V - 240 V

### Surge current capacity

0.25 kA

### Voltage type

AC

### Width in number of modular spacings

2

### Features

Concurrently switching N-neutral

#### 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

## Resources

### Declarations of conformity

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

### eCAD model

[ETN.PXK-C32\\_1N\\_03-A](#)

### Installation instructions

[IL019140ZU](#)

### Installation videos

[xpole-pxkrebo-installation-video](#)

#### 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

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 range

PXK

Rated current

32 A

Rated operational current for specified heat dissipation (I<sub>n</sub>)

32 A

Rated switching capacity (IEC/EN 61009)

10 kA

Static heat dissipation, non-current-dependent

0 W

Tripping characteristic

C

Built-in depth

69.5 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

0.3 A

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Number of poles (protected)

1

Number of poles (total)

2

Rated operational voltage (U<sub>e</sub>) - max

240 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

6.1 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)

440 V

## Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

## Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

## Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

## Connectable conductor cross section (multi-wired) - max

25 mm<sup>2</sup>

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

10 kA

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

10 kA

Number of poles

Single-pole + N

Disconnection characteristic

Undelayed



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