

# Eaton 112930

Catalog Number: 112930

Eaton Moeller series xPole - PF6/7 RCCB. PF6, 4 pole, In: 25 A, Icn: 6 kA, IΔN: 0.03 A, Type A, Pulse-current sensitive, Partly surge-proof 250 A, residential and commercial



Photo is representative

## General specifications

Product Name	Catalog Number
Eaton Moeller series xPole - PF6/7 RCCB	112930
	Model Code
	PF6-25/4/003-A
EAN	Product Length/Depth
4015081124688	80 mm
Product Height	Product Width
71 mm	70 mm
Product Weight	Compliances
0.32 kg	RoHS conform
Certifications	
IEC/EN 61008	

## Type

PF6  
Residual current circuit  
breakers  
Type A

## Special features

Maximum operating  
temperature is 55 °C:  
Starting at 40 °C, the max.  
permissible continuous  
current decreases by 3% for  
every 1 °C  
Tripping signal contact for  
subsequent installation Z-  
NHK 248434

## Application

Residual current circuit  
breaker for residential and  
commercial applications  
xPole - Switchgear for  
residential and commercial  
applications

## Amperage Rating

25 A

## Voltage rating

230 V AC / 400 V AC

## Features

Additional equipment possible  
Residual current circuit breaker

## Accessories required

Z-HK 248432

## 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.

## Application notes

[eaton-rcd-application-guide-br019003en-en-us.pdf](#)

## Catalogs

[eaton-xpole-pf7-rcb-catalog-ca019032en-en-us.pdf](#)

[eaton-xpole-pf6-rcb-catalog-ca019034en-en-us.pdf](#)

## Certification reports

[DA-DC-03\\_PF6](#)

## Drawings

[eaton-xpole-pf67-rcb-3 d-drawing.jpg](#)

[eaton-circuit-breaker-xeffect-frcmm-rcb-dimensions.jpg](#)

## Installation instructions

[IL019140ZU](#)

## Wiring diagrams

[eaton-xeffect-frcmm-rcb-wiring-diagram-002.jpg](#)

#### 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

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:

Interlocking device

IS/SPE-1TE 101911

#### Frame

45 mm

#### Frequency rating

50 Hz

#### Pollution degree

2

#### Used with

Residual current circuit breakers

Type A

PF6

KLV-TC-4 276241 (Compact enclosure)

Z-FW/LP 248296 (Remote control and automatic switching device)

Z-RC/AK-4TE 101062 (sealing cover set)

#### Mounting Method

Quick attachment with 2 latch positions for DIN-rail IEC/EN

60715

DIN rail

#### Climatic proofing

25-55 °C / 90-95% relative humidity according to IEC 60068-2

#### Equipment heat dissipation, current-dependent

3.1 W

#### Rated impulse withstand voltage (U<sub>imp</sub>)

4 kV

#### Rated short-time withstand current (I<sub>cw</sub>)

6 kA

#### Admissible back-up fuse overload - max

25 A gG/gL

Built-in width (number of units)

70 mm (4 SU)

Busbar material thickness

0.8 mm - 2 mm

Short-circuit rating

63 A (max. admissible back-up fuse)

Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

Terminals (top and bottom)

Open mouthed/lift terminals

Test circuit range

184 V AC - 440 V AC

Ambient operating temperature - max

55 °C

Ambient operating temperature - min

-25 °C

Built-in depth

69.5 mm

Connectable conductor cross section (multi-wired) - max

16 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - min

1.5 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - max

35 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - min

1.5 mm<sup>2</sup>

Fault current rating

30 mA

Heat dissipation capacity

0 W

Heat dissipation per pole, current-dependent

0 W

Permitted storage and transport temperature - max

60 °C

Permitted storage and transport temperature - min

-35 °C

Lifespan, mechanical

20000 operations

Degree of protection

IP20, IP40 with suitable enclosure

IP20

Impulse withstand current

Partly surge-proof 250 A

Number of poles

Four-pole

Leakage current type

A

Lifespan, electrical

4000 operations

Sensitivity type

Pulse-current sensitive

Rated fault current - max

0.03 A

Rated fault current - min

0.03 A

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

25 A

Rated operational voltage (Ue) - max

400 V

Rated residual making and breaking capacity

500 A

Static heat dissipation, non-current-dependent

0 W

Surge current capacity

0.25 kA

Width in number of modular spacings

4

Voltage type

AC

Terminal capacity (solid wire)

1.5 mm<sup>2</sup> - 35 mm<sup>2</sup>

Tripping time

Non-delayed

Rated short-circuit strength

6 kA

Terminal capacity (stranded cable)

16 mm<sup>2</sup> (2x)

RAL-number

7035



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