

# Eaton 112921

Catalog Number: 112921

Eaton Moeller series xPole - PF6/7 RCCB. PF6, 2 pole, In: 25 A, Icn: 6 kA, IΔN: 0.03 A, Type A, Pulse-current sensitive, Partly surge-proof 250 A, residential and commercial



## General specifications

Product Name	Catalog Number
Eaton Moeller series xPole - PF6/7 RCCB	112921
	Packing Unit
	Case Pack
EAN	Quantity
9007912936459	60
Gross Weight	Length
14.215 kg	385 mm
Width	Height
180 mm	230 mm
Volume	ERP Name
15.939 dm <sup>3</sup>	SAP-UNITY
Product Length/Depth	Product Height
80 mm	71 mm
Product Width	Product Weight
35 mm	0.22 kg
Compliances	Certifications
RoHS conform	IEC/EN 61008
Model Code	
PF6-25/2/003-A	

## Delivery program

### Application

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

### Number of poles

Two-pole

### Tripping time

Non-delayed

### Amperage Rating

25 A

### Rated short-circuit strength

6 kA

### Fault current rating

30 mA

### Sensitivity type

Pulse-current sensitive

### Impulse withstand current

Partly surge-proof 250 A

### Type

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

## Technical data - electrical

### Voltage rating

230 V AC

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

230 V

### Rated insulation voltage (U<sub>i</sub>)

440 V

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

4 kV

### Rated fault current - min

0.03 A

### Rated fault current - max

0.03 A

### Frequency rating

50 Hz

### Short-circuit rating

63 A (max. admissible back-up fuse)

### Leakage current type

A

### Rated residual making and breaking capacity

500 A

### Admissible back-up fuse overload - max

25 A gG/gL

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

6 kA

### Surge current capacity

0.25 kA

### Test circuit range

184 V AC - 250 V AC

### Pollution degree

2

### Lifespan, electrical

4000 operations

## Technical data - mechanical

## Design verification as per IEC/EN 61439 - technical data

#### Frame

45 mm

#### Width in number of modular spacings

2

#### Built-in width (number of units)

35 mm (2 SU)

#### Built-in depth

69.5 mm

#### Mounting Method

DIN rail

Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715

#### Degree of protection

IP20, IP40 with suitable enclosure

IP20

#### Terminals (top and bottom)

Open mouthed/lift terminals

#### Terminal capacity (solid wire)

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

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

1.5 mm<sup>2</sup>

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

35 mm<sup>2</sup>

#### Terminal capacity (stranded cable)

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

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

1.5 mm<sup>2</sup>

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

16 mm<sup>2</sup>

#### Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

#### Busbar material thickness

0.8 mm - 2 mm

#### Lifespan, mechanical

20000 operations

#### Permitted storage and transport temperature - min

-35 °C

#### Rated operational current for specified heat dissipation (In)

25 A

#### Heat dissipation per pole, current-dependent

0 W

#### Equipment heat dissipation, current-dependent

2 W

#### Static heat dissipation, non-current-dependent

0 W

#### Heat dissipation capacity

0 W

#### Ambient operating temperature - min

-25 °C

#### Ambient operating temperature - max

55 °C

### Design verification as per IEC/EN 61439

#### 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

Permitted storage and transport temperature - max

60 °C

#### Climatic proofing

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

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.

#### 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.

### Additional information

#### Accessories required

Z-HK 248432

#### Features

Residual current circuit breaker

### Zdroje

#### Certifikáty

DA-DC-03\_Pf6

#### Instalační návody

IL019140ZU

Additional equipment possible

[Fitted with:](#)

IS/SPE-1TE 101911

Interlocking device

[Special features](#)

PF6

Residual current circuit

breakers

Type A

[Used with](#)

KLV-TC-2 276240 (Compact enclosure)

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

Z-RC/AK-2TE 285385 (sealing cover set)

[Katalogy](#)

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

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