Product specifications

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

Photo is representative

General specifications

Product Name
Eaton Moeller series xPole - PF6/7 RCCB

Catalog Number
112921

Model Code
PF6-25/2/003-A

EAN
4015081124596

Product Length/Depth
80 mm

Product Height
71 mm

Product Width
35 mm

Product Weight
0.22 kg

Compliances
RoHS conform

Certifications
IEC/EN 61008

Powering Business Worldwide

defaultTaxonomyAttributeLabel

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

Special features

PF6
Residual current circuit breakers
Type A

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

Features

Residual current circuit breaker
Additional equipment possible

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.

Resources

Application notes

eaton-rcd-application-guide-br019003en-en-us.pdf

Catalogs

eaton-xpole-pf6-rccb-catalog-ca019034en-en-us.pdf

eaton-xpole-pf7-rccb-catalog-ca019032en-en-us.pdf

Certification reports

DA-DC-03_PF6

Drawings

eaton-xpole-pf67-rccb-wiring-diagram.jpg

eaton-xpole-pf67-rccb-3d-drawing.jpg

eaton-circuit-breaker-xeffect-frcmm-rccb-dimensions.jpg

Installation instructions

IL019140ZU

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:

IS/SPE-1TE 101911
Interlocking device

Frame

45 mm

Frequency rating

50 Hz

Pollution degree

2

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)

Mounting Method

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

Climatic proofing

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

Equipment heat dissipation, current-dependent

2 W

Rated impulse withstand voltage (Uimp)

4 kV

Rated short-time withstand current (Icw)

6 kA

Admissible back-up fuse overload - max

25 A gG/gL

Built-in width (number of units)

35 mm (2 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 - 250 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 mm²

Connectable conductor cross section (multi-wired) - min

1.5 mm²

Connectable conductor cross section (solid-core) - max

35 mm²

Connectable conductor cross section (solid-core) - min

1.5 mm²

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

Two-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

230 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

2

Voltage type

AC

Terminal capacity (solid wire)

1.5 mm² - 35 mm²

Tripping time

Non-delayed

Rated short-circuit strength

6 kA

Terminal capacity (stranded cable)

16 mm² (2x)

RAL-number

7035

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