Specyfikacje

Eaton 286504

Catalog Number: 286504

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



Zdjęcie jest reprezentatywne

General specifications

Product Name
Eaton Moeller series xPole - PF6/7 RCCB

Catalog Number
286504

EAN
4015082865047

Product Length/Depth
80 mm

Product Height
71 mm

Product Width
70 mm

Product Weight
0.32 kg

Compliances
RoHS conform

Certifications
IEC/EN 61008

Model Code
PF6-25/4/003

Powering Business Worldwide

Dostawa

Application

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

Number of poles

Four-pole

Tripping time

Non-delayed

Amperage Rating

25 A

Rated short-circuit strength

6 kA

Fault current rating

30 mA

Sensitivity type

AC current sensitive

Impulse withstand current

Partly surge-proof 250 A

Type

PF6
Residual current circuit breakers
Type AC

Elektryczne dane techniczne

Voltage rating

230 V AC / 400 V AC

Rated operational voltage (Ue) - max

400 V

Rated insulation voltage (Ui)

440 V

Rated impulse withstand voltage (Uimp)

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

AC

Rated residual making and breaking capacity

500 A

Admissible back-up fuse overload - max

25 A gG/gL

Rated short-time withstand current (Icw)

6 kA

Surge current capacity

0.25 kA

Test circuit range

184 V AC - 440 V AC

Pollution degree

2

Lifespan, electrical

4000 operations

Mechaniczne dane techniczne

Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

Frame

45 mm

Width in number of modular spacings

4

Built-in width (number of units)

70 mm (4 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 mm² - 35 mm²

Connectable conductor cross section (solid-core) - min

1.5 mm²

Connectable conductor cross section (solid-core) - max

35 mm²

Terminal capacity (stranded cable)

16 mm² (2x)

Connectable conductor cross section (multi-wired) - min

1.5 mm²

Connectable conductor cross section (multi-wired) - max

16 mm²

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

3.1 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

Weryfikacja projektu zgodnie z 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.

Dodatkowe informacje

Accessories required

Z-HK 248432

Features

Additional equipment possible

Do pobrania

Deklaracje zgodności

DA-DC-03_PF6

DWG

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

Residual current circuit breaker

Fitted with:

Interlocking device

IS/SPE-1TE 101911

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

Used with

KLV-TC-4 276241 (Compact enclosure)

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

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

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

DWG

FRCmM_Conn_1

Instrukcje montażu

IL019140ZU

Katalogi

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

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

mCAD model

eaton-cadenas-side_view-pfr_4p_side.pra

eaton-cadenas-path-03-geo-pfi_4p.3db

eaton-cadenas-front_view-pfr_4p_front.pra

Schematy połączeń

Mas_PFIM

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

© 2025 Eaton. Wszelkie prawa zastrzeżone.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia