Specifications

# Eaton 102885

## Catalog Number: 102885

Eaton Moeller series xPole - PXF RCCB. Residual current circuit-breaker, 40A, 4pole, 30mA, part no. KV/A




### General specifications

| | |
|---|---|
| **Product Name** | **Catalog Number** |
| Eaton Moeller series xPole - PXF RCCB | 102885 |
| **EAN** | **Product Length/Depth** |
| 4015081027309 | 80 mm |
| **Product Height** | **Product Width** |
| 76 mm | 70 mm |
| **Product Weight** | **Compliances** |
| 0.352 kg | RoHS conform |

**Certifications**

IEC/EN 61008

Powering Business Worldwide

## Product specifications

### Used with

KLV-TC-4 276241 (Compact enclosure)
Z-FW/LP 248296 (Remote control and automatic switching device)
Z-RC/AK-4MU 101062 (sealing cover set)

### Type

PXF
Residual current circuit breakers
Type KV/A

### Special features

Maximum operating temperature is 60 °C:
Starting at 40 °C, the max. permissible continuous current decreases by 2.5% for every 1 °C
Tripping signal contact for subsequent installation Z-NHK 248434

### Application

3-phase application without N (400V AC phase-phase) not allowed
Switchgear for residential and commercial applications
xPole - Switchgear for residential and commercial applications

### Amperage Rating

40 A

### Voltage rating

230 V AC / 400 V AC

### Features

Residual current circuit breaker
Additional equipment possible

### Accessories required

Z-HK 248432

### 10.10 Temperature rise

## Resources

### Declarations of conformity

DA-DC-03_PXF

### eCAD model

DA-CE-ETN.PXF-40_4_003-KV_A

### Installation instructions

IL019140ZU

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 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

### 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

13.1 W

### Rated impulse withstand voltage (Uimp)

4 kV

### Rated short-time withstand current (Icw)

10 kA

### 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

60 °C

Ambient operating temperature - min

-25 °C

Built-in depth

70.5 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

IP20, IP40 with suitable enclosure

Impulse withstand current

Surge-proof, 3 kA

Number of poles

Four-pole

Leakage current type

A

Lifespan, electrical

4000 operations

Functions

Short-time delayed tripping

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)

40 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 mm² - 35 mm²

Tripping time

Short time-delayed

Rated short-circuit strength

10 kA

Terminal capacity (stranded cable)

16 mm² (2x)

RAL-number

7035

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