Specifications

Eaton 111761

Catalog Number: 111761

Eaton Moeller series xPole - PDIM RCCB. Residual current circuit-breaker, 100A, 4p, 0mA, AC-Char



General specifications

Product Name Eaton Moeller series xPole - PDIM RCCB	**Catalog Number** 111761
	EAN 4015081113118
Product Length/Depth 80 mm	**Product Height** 65.5 mm
Product Width 70 mm	**Product Weight** 0.404 kg
Compliances RoHS conform	**Certifications** DIN/EN 62020

Powering Business Worldwide

Product specifications

Used with

Leakage current monitor
PDIM

Type

Leakage current monitor
PDIM

Special features

Current test marks as per inscription
Maximum operating temperature is 60 °C:
Starting at 40 °C, the max. permissible continuous current decreases by 1.2% for every 1 °C
Switching contact (potential-free) 10 A / 240 V~

Application

Switchgear for industrial and advanced commercial applications
xEffect - Switchgear for industrial and advanced commercial applications

Amperage Rating

100 A

Features

Additional equipment possible
Leakage current monitor
Selective protection

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

Resources

Declarations of conformity

DA-DC-03_PDIM

Drawings

eaton-dimensions-mas-pdim.jpg

eCAD model

DA-CE-ETN.PDIM-100_4

Installation instructions

IL019009ZU

mCAD model

eaton-fi9400-3-d-model.stp

eaton-fi9400-drawing.dwg

Wiring diagrams

PDIM

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

Frame

45 mm

Frequency rating

60 Hz

Pollution degree

2

Mounting Method

Quick attachment with 2 latch positions on top-hat 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

18.8 W

Rated impulse withstand voltage (Uimp)

4 kV

Rated short-time withstand current (Icw)

10 kA

Admissible back-up fuse overload - max

63 A gG/gL

Built-in width (number of units)

70 mm (4 SU)

Busbar material thickness

0.8 mm - 2 mm

Short-circuit rating

100 A (max. admissible back-up fuse)

Terminal protection

Finger and hand touch safe, DGUV VS3, EN 50274

Terminals (top and bottom)

Twin-purpose terminals

Ambient operating temperature - max

60 °C

Ambient operating temperature - min

-25 °C

Built-in depth

60 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

1000 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

Number of poles

Four-pole

Leakage current type

AC

Lifespan, electrical

4000 operations

Functions

Short-time delayed tripping

Fault current adjustable: 0.03 A/0.1 A/0.3 A/0.5 A/1 A

Sensitivity type

AC and pulsating DC current sensitive

Rated fault current - max

1 A

Rated fault current - min

0.03 A

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

100 A

Rated operational voltage (Ue) - max

415 V

Static heat dissipation, non-current-dependent

0 W

Surge current capacity

0.25 kA

Width in number of modular spacings

4

Voltage rating (IEC/EN 60947-2)

230/400 V, 50/60 Hz

240/415 V, 50/60 Hz

Voltage type

AC

Terminal capacity (solid wire)

1.5 mm² - 35 mm²

Tripping time

Non-delayed, adjustable

Selective switch off, adjustable

40 ms delayed, selective (type S)

10 ms delayed (Type G)

Short time-delayed, adjustable

Terminal capacity (control cable)

0.25 mm² - 1.5 mm² at switching contacts

Rated short-circuit strength

10 kA

Response behavior (adjustable)

Undelayed

Response behavior of contacts

1: 30 - 50 % I δ n; 2: > 50 % I Δ n

Terminal capacity (stranded cable)

16 mm² (2x)

RAL-number

7035

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