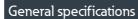
Eaton 286521

Catalog Number: 286521

Eaton Moeller series xPole - PL6 MCB. PL6, 1-pole, tripping characteristic: B, rated current In: 16 A, rated switching capacity IEC/EN 60898-1: 6 kA



Product Name

Catalog Number

Eaton Moeller series xPole - PL6 MCB

286521

Model Code

EAN

PL6-B16/1

4015082865214

Product Length/Depth

Product Height

85 mm

73 mm

Product Width

Product Weight

17.7 mm

0.12 kg

Compliances

RoHS conform





Product specifications

Rated operational current for specified heat dissipation (In)

16 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

Rated short-circuit breaking capacity (EN 60898) at 230 V

6 kA

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Current limiting class

3

Rated short-circuit breaking capacity (EN 60898) at 400 V

6 kA

Amperage Rating

16 A

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

Frequency rating - max

60 Hz

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.8 Connections for external conductors

Is the panel builder's responsibility.

Rated short-circuit breaking capacity (IEC 60947-2) at 400 V

0 kA

Number of poles (total)

1

Rated short-circuit breaking capacity (IEC 60947-2) at 230 V

0 kA

Special features

Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity

Resources

Catalogs

eaton-miniature-circuit-breaker-xpole-pl6-catalog-ca20190212-en-us.pdf

eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf

Certification reports

DA-DC-03_PL6

Characteristic curve

eaton-xpole-mmc4-6-m-mcb-characteristic-curve.jpg

Drawings

eaton-xpole-pl6-mcb-dimensions.jpg eaton-xpole-pl6-mcb-3d-drawing.jpg

Installation instructions

IL019140ZU

Wiring diagrams

eaton-xpole-mmc4-6-m-mcb-wiring-diagram-002.jpg

Heat dissipation per pole, current-dependent 0 W Built-in depth 70.5 mm Rated switching capacity (IEC/EN 60898-1) 6 kA **Features** Additional equipment possible Connectable conductor cross section (solid-core) - min 1 mm² 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. Number of poles Single-pole Ambient operating temperature - min -25 °C 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. Used with Miniature circuit breaker PL6 Equipment heat dissipation, current-dependent 2.2 W Tripping characteristic Frequency rating - min 50 Hz 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be

Ambient operating temperature - max

75 °C

evaluated.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Static heat dissipation, non-current-dependent

0 W

Application

Switchgear for residential and commercial applications xPole - Switchgear for residential and commercial applications

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Voltage type

AC

Number of poles (protected)

1

Heat dissipation capacity

0 W

Release characteristic

В

Width in number of modular spacings

1

Power loss

2.3 W

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.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Connectable conductor cross section (solid-core) - max

25 mm²

Degree of protection

IP20

Overvoltage category

Ш

Pollution degree

2

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Connectable conductor cross section (multi-wired) - min

1 mm²

Rated impulse withstand voltage (Uimp)

4 kV

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Connectable conductor cross section (multi-wired) - max

25 mm²

Type

Miniature circuit breaker

PL6

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

Rated operational voltage (Ue) - max

230 V

Rated insulation voltage (Ui)

440 V



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