Specyfikacje

Eaton 106035

Catalog Number: 106035

Eaton Moeller series xPole - PL6 MCB. PL6, 3-pole+N, tripping characteristic: B, rated current In: 6 A, rated switching capacity IEC/EN 60898-1: 6 kA



General specifications

Product Name	**Catalog Number**
Eaton Moeller series xPole - PL6 MCB	106035
EAN	**Product Length/Depth**
4015081058037	85 mm
Product Height	**Product Width**
73 mm	70.8 mm
Product Weight	**Compliances**
0.456 kg	RoHS conform
Model Code	
PL6-B6/3N	

Powering Business Worldwide

Dostawa

Application

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

Number of poles

Three-pole + N

Number of poles (total)

4

Number of poles (protected)

3

Tripping characteristic

B

Release characteristic

C

Amperage Rating

6 A

Type

Miniature circuit breaker
PL6

Elektryczne dane techniczne

Voltage type

AC

Rated operational voltage (Ue) - max

400 V

Rated insulation voltage (Ui)

440 V

Rated impulse withstand voltage (Uimp)

4 kV

Frequency rating - min

50 Hz

Frequency rating - max

60 Hz

Rated switching capacity (IEC/EN 60898-1)

6 kA

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

6 kA

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

6 kA

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

0 kA

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

0 kA

Overvoltage category

III

Pollution degree

2

Mechaniczne dane techniczne

Width in number of modular spacings

4

Built-in depth

70.5 mm

Degree of protection

IP20

Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

Rated operational current for specified heat dissipation (In)

6 A

Heat dissipation per pole, current-dependent

0 W

Equipment heat dissipation, current-dependent

5.6 W

Connectable conductor cross section (solid-core) - min

1 mm²

Connectable conductor cross section (solid-core) - max

25 mm²

Connectable conductor cross section (multi-wired) - min

1 mm²

Connectable conductor cross section (multi-wired) - max

25 mm²

Static heat dissipation, non-current-dependent

0 W

Heat dissipation capacity

0 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

75 °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 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.

Dodatkowe informacje

Current limiting class

3

Features

Concurrently switching N-neutral

Additional equipment possible

Special features

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

Used with

PL6

Miniature circuit breaker

Do pobrania

Characteristic curve

KL_L7_B

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

eaton-xpole-mmc4-6-m-mcb-characteristic-curve-004.jpg

L7_BLOCK

Deklaracje zgodności

DA-DC-03_PL6

DWG

Mas_CLS

eaton-xpole-pl6-mcb-dimensions.jpg

DWG

PL6_i2t_b

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

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.

Instrukcje montażu

IL019140ZU

Katalogi

eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf

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

mCAD model

pls_3pn_4p.stp

eaton-cadenas-front_view-pls_3pn_4p_front.pra

pls_3pn_4p.dwg

eaton-cadenas-path-03-geo-pls_3pn_4p.3db

eaton-cadenas-side_view-pls_3pn_4p_side.pra

Schematy połączeń

PLS_3N

eaton-xpole-mmc4-6-m-mcb-wiring-diagram-004.jpg

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

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