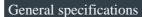
Eaton 262707

Catalog Number: 262707

Eaton Moeller series xPole - PL7 MCB. PL7, 1-pole, tripping characteristic: C, rated current In: 32 A, rated switching capacity IEC/EN 60898-1: 10 kA





Catalog Number

Eaton Moeller series xPole - PL7 MCB

262707

Model Code

EAN

PL7-C32/1

4015082627072

Product Length/Depth

Product Height

71 mm

82 mm

Product Width

Product Weight

17.6 mm

0.12 kg

Compliances

RoHS conform





Product specifications

Type

Miniature circuit breaker

PL7

Special features

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

Application

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

Amperage Rating

32 A

Features

Additional equipment possible

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.

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

Resources

Catalogs

eaton-xpole-pl7-mcb-catalog-ca019068en-en-us.pdf
eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf
eaton-xpole-accessories-ca019015en-en-us.pdf

Characteristic curve

Kl_17_c

eaton-xpole-mmc4-6-m-mcb-characteristic-curve-002.jpg

Declarations of conformity

DA-DC-03_PL7

Drawings

eaton-xpole-mmc4-6-m-mcb-dimensions.jpg

Mas_PLSM

Drawings

eaton-xpole-mmc4-6-m-mcb-3d-drawing-007.jpg

PLSM_i2t_c

Installation instructions

IL019140ZU

mCAD model

eaton-cadenas-side_view-pls_1p_side.pra

pls_1p.stp

 $eaton\hbox{-}cadenas\hbox{-}path\hbox{-}03\hbox{-}geo\hbox{-}pls_1p.3db$

eaton-cadenas-front_view-pls_1p_front.pra

pls_1p.dwg

PEP Eco-passport

EATO-00046-V01.01-EN

Wiring diagrams

PLS_1P

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

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.

Pollution degree

2

Degree of protection

IP20

Equipment heat dissipation, current-dependent

3.7 W
Rated impulse withstand voltage (Uimp) 4 kV
Tripping characteristic C
Ambient operating temperature - max 75 °C
Ambient operating temperature - min -25 °C
Built-in depth 70.5 mm
Connectable conductor cross section (multi-wired) - max 25 mm²
Connectable conductor cross section (multi-wired) - min 1 mm²
Connectable conductor cross section (solid-core) - max 25 mm ²
Connectable conductor cross section (solid-core) - min 1 mm²
Current limiting class
Frequency rating - max 60 Hz
Frequency rating - min 50 Hz
Heat dissipation capacity 0 W
Heat dissipation per pole, current-dependent 0 W
Width in number of modular spacings 1
Voltage type AC
Overvoltage category III
Number of poles Single-pole

Release characteristic C
Number of poles (protected) 1
Number of poles (total) 1
Rated insulation voltage (Ui) 440 V
Rated operational current for specified heat dissipation (In) 32 A
Rated operational voltage (Ue) - max 230 V
Rated short-circuit breaking capacity (EN 60898) at 230 V $$ 10 kA $$
Rated short-circuit breaking capacity (EN 60898) at 400 V $$ 10 kA $$
Rated short-circuit breaking capacity (IEC 60947-2) at 230 0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 0 kA
Rated switching capacity (IEC/EN 60898-1) 10 kA
Static heat dissipation, non-current-dependent 0 W
Power loss



3.5 W

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