

# Eaton 262707

Catalog Number: 262707

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



### General specifications

Product Name	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

[KI\\_l7\\_c](#)

[eaton-xpole-mm4-6-m-mcb-characteristic-curve-002.jpg](#)

### Declarations of conformity

[DA-DC-03\\_PL7](#)

### Drawings

[eaton-xpole-mm4-6-m-mcb-dimensions.jpg](#)

[Mas\\_PLSM](#)

### Drawings

[eaton-xpole-mm4-6-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-cadenas-path-03-geo-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-mm4-6-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 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

Current limiting class

3

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 V

0 kA

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

0 kA

Rated switching capacity (IEC/EN 60898-1)

10 kA

Static heat dissipation, non-current-dependent

0 W

Power loss

3.5 W