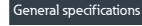
Eaton 262673

Catalog Number: 262673

Eaton Moeller series xPole - PL7 MCB. PL7, 1-pole, tripping characteristic: B, rated current In: 6 A, rated switching capacity IEC/EN 60898-1: 10 kA



Product Name	Catalog Number
Eaton Moeller series xPole - PL7 MCB	262673
EAN	Product Length/Depth
9007912265641	71 mm
9007912265658	Product Height 82 mm
Product Width	Product Weight
17.6 mm	0.12 kg
Compliances	Model Code
RoHS conform	PL7-B6/1





Delivery program

Application

Switchgear for residential and commercial applications xPole - Switchgear for residential and commercial applications Number of poles Single-pole Number of poles (total) 1 Number of poles (protected) 1 **Tripping characteristic** В Release characteristic в Amperage Rating 6 A Type Miniature circuit breaker PL7

Technical data - mechanical

Width in number of modular spacings 1 Built-in depth 70.5 mm Degree of protection IP20

Technical data - electrical

Voltage type	
AC	

Rated operational voltage (Ue) - max 230 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)

10 kA

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

Overvoltage category

III

Pollution degree

2

Design verification as per IEC/EN 61439 - technical data

Rated operational current for specified heat dissipation (In) 6 A Heat dissipation per pole, current-dependent

Equipment heat dissipation, current-dependent

1.8 W

0 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

Design verification as per 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.

Static heat dissipation, non-current-dependent 0 W

Heat dissipation capacity

Ambient operating temperature - min -25 °C

Ambient operating temperature - max 75 °C

Additional information

Current limiting class

3

Features 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

PL7 Miniature circuit breaker

Zdroje

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.



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