

Eaton 194718

Catalog Number: 194718

Eaton Moeller series xPole - HL/HL-HX MCB. HL, xPole Home, 1-pole, tripping characteristic: B, rated current In: 6 A, rated switching capacity IEC/EN 60898-1: 4,5 kA



General specifications

Product Name	Catalog Number
Eaton Moeller series xPole - HL/HL-HX MCB	194718
	Packing Unit
	Case Pack
	Pack
EAN	Quantity
9010238074118	120
9010238061781	12
Gross Weight	Length
16.4 kg	385 mm
1.64 kg	86 mm
Width	Height
180 mm	230 mm
218 mm	75 mm
Volume	ERP Name
15.939 dm ³	SAP-UNITY
1.406 dm ³	SAP-UNITY
Product Length/Depth	Product Height
85 mm	73 mm
Product Width	Product Weight
17.7 mm	0.12 kg
Compliances	Model Code
RoHS conform	HL-B6/1

Type

HL

Miniature circuit breaker

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 Home - Switchgear for residential applications

Amperage Rating

6 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 elect. effects

Broşuri

[eaton-xPole-home-leaflet-br003019en-en-gb.pdf](#)

Cataloage

[eaton-xpole%20home-hl-hx-mcb-catalog-ca019019en-en-us.pdf](#)

Characteristic curve

[eaton-xpole-mmc4-6-m-mcb-characteristic-curve.jpg](#)

[eaton-xpole-mmc4-6-m-mcb-characteristic-curve-004.jpg](#)

Desene

[eaton-xpole-pl6-mcb-dimensions.jpg](#)

[eaton-xpole-hlhl-hx-mcb-3d-drawing.jpg](#)

Rapoarte de certificare

[DA-DC-03_HL](#)

Scheme electrice

[eaton-xpole-mmc4-6-m-mcb-wiring-diagram-002.jpg](#)

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

3

Used with

Miniature circuit breaker

HL

Degree of protection

IP20

Equipment heat dissipation, current-dependent

1.8 W

Rated impulse withstand voltage (U_{imp})

4 kV

Tripping characteristic

B

Ambient operating temperature - max

75 °C

Ambient operating temperature - min

-25 °C

Built-in depth

44 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 mm²

Connectable conductor cross section (solid-core) - min

1 mm²

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

B

Number of poles (protected)

1

Number of poles (total)

1

Rated insulation voltage (Ui)

440 V

Rated operational current for specified heat dissipation (In)

6 A

Rated operational voltage (Ue) - max

230 V

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

4.5 kA

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

4.5 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)

4.5 kA

Static heat dissipation, non-current-dependent

0 W

Suitable for

Flush-mounted installation

Power loss

1.8 W



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