

# Eaton 194721

Catalog Number: 194721

Eaton Moeller series xPole - HL/HL-HX MCB. HL, xPole Home, 1-pole, tripping characteristic: B, rated current In: 16 A, rated switching capacity IEC/EN 60898-1: 4,5 kA



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller series xPole - HL/HL-HX MCB	194721
	<b>Packing Unit</b>
	Case Pack
	Pack
<b>EAN</b>	<b>Quantity</b>
9010238074088	120
9010238066212	12
<b>Gross Weight</b>	<b>Length</b>
16.4 kg	385 mm
1.64 kg	86 mm
<b>Width</b>	<b>Height</b>
180 mm	230 mm
218 mm	75 mm
<b>Volume</b>	<b>ERP Name</b>
15.939 dm <sup>3</sup>	SAP-UNITY
1.406 dm <sup>3</sup>	SAP-UNITY
<b>Product Length/Depth</b>	<b>Product Height</b>
85 mm	73 mm
<b>Product Width</b>	<b>Product Weight</b>
17.7 mm	0.12 kg
<b>Compliances</b>	<b>Model Code</b>
RoHS conform	HL-B16/1

## 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

16 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

HL

Miniature circuit breaker

#### Degree of protection

IP20

Equipment heat dissipation, current-dependent

2.2 W

Rated impulse withstand voltage (U<sub>imp</sub>)

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 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

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)

16 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

2.3 W



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