

# Eaton 194771

Catalog Number: 194771

Eaton Moeller series xPole - HL/HL-HX MCB. HL, xPole Home, 2-pole, tripping characteristic: C, 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	194771
	<b>Packing Unit</b>
	Pack
	Case Pack
<b>EAN</b>	<b>Quantity</b>
9010238066717	6
9010238073586	60
<b>Gross Weight</b>	<b>Length</b>
1.341 kg	86 mm
13.41 kg	385 mm
<b>Width</b>	<b>Height</b>
218 mm	75 mm
180 mm	230 mm
<b>Volume</b>	<b>ERP Name</b>
1.406 dm <sup>3</sup>	SAP-UNITY
15.939 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>
35.4 mm	0.216 kg
<b>Compliances</b>	<b>Model Code</b>
RoHS conform	HL-C16/2

## Delivery program

### Application

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

### Number of poles

Two-pole

### Number of poles (total)

2

### Number of poles (protected)

2

### Tripping characteristic

C

### Release characteristic

C

### Amperage Rating

16 A

### Type

HL  
Miniature circuit breaker

## Technical data - electrical

### Voltage type

AC

### Rated operational voltage (U<sub>e</sub>) - max

230 V

### Rated insulation voltage (U<sub>i</sub>)

440 V

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

4 kV

### Frequency rating - min

50 Hz

### Frequency rating - max

60 Hz

### Rated switching capacity (IEC/EN 60898-1)

4.5 kA

### 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

### Overvoltage category

III

### Pollution degree

3

## Technical data - mechanical

### Width in number of modular spacings

2

### Built-in depth

44 mm

### Degree of protection

IP20

## Design verification as per IEC/EN 61439 - technical data

### Rated operational current for specified heat dissipation (I<sub>n</sub>)

16 A

### Heat dissipation per pole, current-dependent

0 W

### Equipment heat dissipation, current-dependent

4.7 W

Connectable conductor cross section (solid-core) - min

1 mm<sup>2</sup>

Connectable conductor cross section (solid-core) - max

25 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - min

1 mm<sup>2</sup>

Connectable conductor cross section (multi-wired) - max

25 mm<sup>2</sup>

Static heat dissipation, non-current-dependent

0 W

Heat dissipation capacity

0 W

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

75 °C

## 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.

## 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

### Suitable for

Flush-mounted installation

### Used with

Miniature circuit breaker

HL

## Ресурси

### Characteristic curve

[eaton-xpole-mmс4-6-m-mcb-characteristic-curve-004.jpg](#)

[eaton-xpole-mmс4-6-m-mcb-characteristic-curve-002.jpg](#)

### Брошури

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

### Електрична схема

[eaton-xpole-mmс4-6-m-mcb-wiring-diagram-003.jpg](#)

### Каталог

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

### Креслення

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

[eaton-xpole-hl/hl-hx-mcb-3d-drawing-002.jpg](#)

#### 10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

Сертифікаційні звіти

DA-DC-03\_HL

#### 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.