

# Eaton 194797

Catalog Number: 194797

Eaton Moeller series xPole - HL/HL-HX MCB. HL, xPole Home, 3-pole, tripping characteristic: C, rated current In: 63 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 | 194797            |
|                                           | Packing Unit      |
|                                           | Case Pack<br>Pack |
| EAN                                       | Quantity          |
| 9010238073326                             | 40                |
| 9010238066977                             | 4                 |
| Gross Weight                              | Length            |
| 14.85 kg                                  | 385 mm            |
| 1.485 kg                                  | 86 mm             |
| Width                                     | Height            |
| 180 mm                                    | 230 mm            |
| 218 mm                                    | 75 mm             |
| Volume                                    | ERP Name          |
| 15.939 dm <sup>3</sup>                    | SAP-UNITY         |
| 1.406 dm <sup>3</sup>                     | SAP-UNITY         |
| Product Length/Depth                      | Product Height    |
| 85 mm                                     | 73 mm             |
| Product Width                             | Product Weight    |
| 53.1 mm                                   | 0.36 kg           |
| Compliances                               | Model Code        |
| RoHS conform                              | HL-C63/3          |

## Delivery program

### Application

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

### Number of poles

Three-pole

### Number of poles (total)

3

### Number of poles (protected)

3

### Tripping characteristic

C

### Release characteristic

C

### Amperage Rating

63 A

### Type

HL  
Miniature circuit breaker

## 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)

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

3

### 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 (In)

63 A

### Heat dissipation per pole, current-dependent

0 W

### Equipment heat dissipation, current-dependent

17.2 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-005.jpg](#)

### Каталоги

[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.