

# Specificații



## Eaton 194789

Eaton Moeller series xPole - HL/HL-HX MCB.  
HL, xPole Home, 3-pole, tripping  
characteristic: C, rated current  $I_n$ : 10 A, rated  
switching capacity IEC/EN 60898-1: 4,5 kA

### Specificații generale

|                         |                                              |
|-------------------------|----------------------------------------------|
| PRODUCT NAME            | Eaton Moeller series xPole<br>- HL/HL-HX MCB |
| CATALOG NUMBER          | 194789                                       |
| EAN                     | 9010238062733                                |
| PRODUCT<br>LENGTH/DEPTH | 85 mm                                        |
| PRODUCT HEIGHT          | 73 mm                                        |
| PRODUCT WIDTH           | 53.1 mm                                      |
| PRODUCT WEIGHT          | 0.36 kg                                      |
| COMPLIANCES             | RoHS conform                                 |
| MODEL CODE              | HL-C10/3                                     |



Powering Business Worldwide

## Informații suplimentare

### 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

HL  
Miniature circuit breaker

## Programul de livrare

### AMPERAGE RATING

10 A

### APPLICATION

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

### NUMBER OF POLES

Three-pole

### NUMBER OF POLES (PROTECTED)

3

### NUMBER OF POLES (TOTAL)

3

### RELEASE CHARACTERISTIC

C

### TRIPPING CHARACTERISTIC

C

### TYPE

- HL
- Miniature circuit breaker

## Verificarea proiectării conform IEC/EN 61439

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                                                                                       |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |

## Verificarea designului conform cu IEC/EN 61439 - date tehnice

|                                                                      |        |
|----------------------------------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                           | 75 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                           | -25 °C |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>                 | 4.6 W  |
| <b>HEAT DISSIPATION CAPACITY</b>                                     | 0 W    |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>                  | 0 W    |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 10 A   |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>                | 0 W    |

|                                                                 |                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Is the panel builder's responsibility.                             |

#### Technical data - electrical

|                                                                              |        |
|------------------------------------------------------------------------------|--------|
| <b>FREQUENCY RATING - MAX</b>                                                | 60 Hz  |
| <b>FREQUENCY RATING - MIN</b>                                                | 50 Hz  |
| <b>OVERVOLTAGE CATEGORY</b>                                                  | III    |
| <b>POLLUTION DEGREE</b>                                                      | 3      |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                                | 4 kV   |
| <b>RATED INSULATION VOLTAGE (UI)</b>                                         | 440 V  |
| <b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>                                  | 230 V  |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V</b> | 4.5 kA |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V</b>  | 4.5 kA |
| <b>RATED SWITCHING CAPACITY (IEC/EN 60898-1)</b>                             | 4.5 kA |
| <b>VOLTAGE TYPE</b>                                                          | AC     |

#### Technical data - mechanical

|                                                                |                    |
|----------------------------------------------------------------|--------------------|
| <b>BUILT-IN DEPTH</b>                                          | 44 mm              |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b> | 25 mm <sup>2</sup> |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b> | 1 mm <sup>2</sup>  |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>  | 25 mm <sup>2</sup> |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>  | 1 mm <sup>2</sup>  |
| <b>DEGREE OF PROTECTION</b>                                    | IP20               |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                     | 3                  |

## Resurse

|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| BROȘURI                   | <a href="#">eaton-xPole-home-leaflet-br003019en-en-gb.pdf</a>                                                                                  |
| CATALOAGE                 | <a href="#">eaton-xpole%20home-hl-hx-mcb-catalog-ca019019en-en-us.pdf</a>                                                                      |
| CHARACTERISTIC CURVE      | <a href="#">eaton-xpole-mmc4-6-m-mcb-characteristic-curve-002.jpg</a><br><a href="#">eaton-xpole-mmc4-6-m-mcb-characteristic-curve-004.jpg</a> |
| DESENE                    | <a href="#">eaton-xpole-hlhl-hx-mcb-3d-drawing-002.jpg</a><br><a href="#">eaton-xpole-pl6-mcb-dimensions.jpg</a>                               |
| INSTRUCȚIUNI DE INSTALARE | <a href="#">eaton-mcb-rccb-rcbo-g9-il019140zu.pdf</a>                                                                                          |
| MCAD MODEL                | <a href="#">eaton-non-selective-universal-mcb-mcad-3d-models-faz-xxx-3p.stp</a>                                                                |
| SCHEME ELECTRICE          | <a href="#">eaton-xpole-mmc4-6-m-mcb-wiring-diagram-005.jpg</a>                                                                                |

DENUMIREA PROIECTULUI:

NUMĂRUL PROIECTULUI:

PREGĂTIT DE:

DATA:



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