

# Specyfikacje



## Eaton 286607

Eaton Moeller series xPole - PL6 MCB. PL6, 3-pole, tripping characteristic: C, rated current In: 63 A, rated switching capacity IEC/EN 60898-1: 6 kA

### General specifications

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series xPole - PL6 MCB |
| <b>CATALOG NUMBER</b>       | 286607                               |
| <b>EAN</b>                  | 4015082866075                        |
| <b>PRODUCT LENGTH/DEPTH</b> | 85 mm                                |
| <b>PRODUCT HEIGHT</b>       | 73 mm                                |
| <b>PRODUCT WIDTH</b>        | 53.1 mm                              |
| <b>PRODUCT WEIGHT</b>       | 0.36 kg                              |
| <b>COMPLIANCES</b>          | RoHS conform                         |
| <b>MODEL CODE</b>           | PL6-C63/3                            |



Powering Business Worldwide

## Dostawa

### APPLICATION

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

- Miniature circuit breaker
- PL6

## Elektryczne dane techniczne

|              |    |
|--------------|----|
| VOLTAGE TYPE | AC |
|--------------|----|

|                                      |       |
|--------------------------------------|-------|
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 400 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) | 6 kA |
|-------------------------------------------|------|

|                                                                       |      |
|-----------------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V | 6 kA |
|-----------------------------------------------------------------------|------|

|                                                                      |      |
|----------------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V | 6 kA |
|----------------------------------------------------------------------|------|

|                                                                   |      |
|-------------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V | 0 kA |
|-------------------------------------------------------------------|------|

|                                                                   |      |
|-------------------------------------------------------------------|------|
| RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V | 0 kA |
|-------------------------------------------------------------------|------|

|                      |     |
|----------------------|-----|
| OVERVOLTAGE CATEGORY | III |
|----------------------|-----|

|                  |   |
|------------------|---|
| POLLUTION DEGREE | 2 |
|------------------|---|

## Mechaniczne dane techniczne

|                                            |   |
|--------------------------------------------|---|
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b> | 3 |
|--------------------------------------------|---|

|                       |         |
|-----------------------|---------|
| <b>BUILT-IN DEPTH</b> | 70.5 mm |
|-----------------------|---------|

|                             |      |
|-----------------------------|------|
| <b>DEGREE OF PROTECTION</b> | IP20 |
|-----------------------------|------|

|                                                               |                   |
|---------------------------------------------------------------|-------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - 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 (MULTI-WIRED) - MIN</b> | 1 mm <sup>2</sup> |
|----------------------------------------------------------------|-------------------|

|                                                                |                    |
|----------------------------------------------------------------|--------------------|
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b> | 25 mm <sup>2</sup> |
|----------------------------------------------------------------|--------------------|

## Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

|                                                                      |      |
|----------------------------------------------------------------------|------|
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 63 A |
|----------------------------------------------------------------------|------|

|                                                     |     |
|-----------------------------------------------------|-----|
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b> | 0 W |
|-----------------------------------------------------|-----|

|                                                      |        |
|------------------------------------------------------|--------|
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b> | 17.2 W |
|------------------------------------------------------|--------|

|                                                       |     |
|-------------------------------------------------------|-----|
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b> | 0 W |
|-------------------------------------------------------|-----|

|                                  |     |
|----------------------------------|-----|
| <b>HEAT DISSIPATION CAPACITY</b> | 0 W |
|----------------------------------|-----|

|                                            |        |
|--------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C |
|--------------------------------------------|--------|

|                                            |       |
|--------------------------------------------|-------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 75 °C |
|--------------------------------------------|-------|

## Weryfikacja projektu zgodnie z 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.

**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** Is the panel builder's

## Dodatkowe informacje

**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

**USED WITH** Miniature circuit breaker PL6

|                                               |                                                                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>ENCLOSURES MADE OF INSULATING MATERIAL</b> | responsibility.                                                                                                                  |
| <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.                         |

## Do pobrania

|                             |                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHARACTERISTIC CURVE</b> | <a href="#">eaton-xpole-mmc4-6-m-mcb-characteristic-curve-002.jpg</a>                                                                                      |
| <b>DEKLARACJE ZGODNOŚCI</b> | <a href="#">eaton-mcb-declaration-of-conformity-eu250400en.pdf</a>                                                                                         |
| <b>INSTRUKCJE MONTAŻU</b>   | <a href="#">eaton-rccb-rcbo-g9-il019140zu.pdf</a>                                                                                                          |
| <b>KATALOGI</b>             | <a href="#">eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf</a><br><a href="#">eaton-miniature-circuit-breaker-xpole-pl6-catalog-ca20190212-en-us.pdf</a> |
| <b>MODELE MCAD</b>          | <a href="#">pls_3p.stp</a> <a href="#">pls_3p.dwg</a>                                                                                                      |
| <b>RYSUNKI</b>              | <a href="#">eaton-xpole-pl6-mcb-dimensions.jpg</a><br><a href="#">eaton-xpole-pl6-mcb-3d-drawing-002.jpg</a>                                               |
| <b>SCHEMATY POŁĄCZEŃ</b>    | <a href="#">eaton-xpole-mmc4-6-m-mcb-wiring-diagram-005.jpg</a>                                                                                            |

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**

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