

# Specifications

## Eaton 236487

Eaton Moeller series xPole - PXL MCB. PXL, 3-pole+N, tripping characteristic: B, rated current In: 25 A, rated switching capacity IEC/EN 60898-1: 10 kA

### General specifications

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller series xPole - PXL MCB |
| <b>CATALOG NUMBER</b>       | 236487                               |
| <b>EAN</b>                  | 4015082364878                        |
| <b>PRODUCT LENGTH/DEPTH</b> | 80 mm                                |
| <b>PRODUCT HEIGHT</b>       | 75 mm                                |
| <b>PRODUCT WIDTH</b>        | 70 mm                                |
| <b>PRODUCT WEIGHT</b>       | 0.451 kg                             |
| <b>COMPLIANCES</b>          | RoHS conform                         |
| <b>MODEL CODE</b>           | PXL-B25/3N                           |



Powering Business Worldwide

## Product specifications

|   |  |
|---|--|
| <b>USED WITH</b>  | Miniature circuit breaker PXL  |
| <b>AMPERAGE RATING</b>  | 25 A   |
| <b>FEATURES</b>   | Additional equipment possible<br>Concurrently switching N-neutral  |
| <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</b>  | Does not apply, since the  |

## Resources

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| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-03_PXL</a>                                     |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.PXL-B25_3N</a>                             |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">eaton-rccb-rcbo-g9-il019140zu.pdf</a>                |
| <b>MCAD MODEL</b>                 | <a href="#">pls_3pn_4p.dwg</a><br><a href="#">pls_3pn_4p.stp</a> |
| <b>PEP ECO-PASSPORT</b>           | <a href="#">EATO-00046-V01.01-EN</a>                             |

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|---|--|
| <b>IMPACT</b>   | 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.                         |
| <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.                             |
| <b>POLLUTION DEGREE</b>   | 2  |
| <b>DEGREE OF PROTECTION</b>                                     | IP20   |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>            | 9.7 W  |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 4 kV   |
| <b>TRIPPING CHARACTERISTIC</b>                                  | B  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 55 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C   |
| <b>BUILT-IN DEPTH</b>   | 70.5 mm  |
| <b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b>  | 25 mm <sup>2</sup>   |
| <b>CONNECTABLE</b>  | 1 mm <sup>2</sup>  |

|   |  |
|---|--|
| <b>CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>            |  |
| <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>CURRENT LIMITING CLASS</b>                                 | 3  |
| <b>FREQUENCY RATING - MAX</b>                                 | 60 Hz  |
| <b>FREQUENCY RATING - MIN</b>                                 | 50 Hz  |
| <b>HEAT DISSIPATION CAPACITY</b>                              | 0 W  |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>           | 0 W  |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                    | 4  |
| <b>VOLTAGE TYPE</b>   | AC   |
| <b>OVERVOLTAGE CATEGORY</b>                                   | III  |
| <b>NUMBER OF POLES</b>  | Three-pole + N   |
| <b>RELEASE CHARACTERISTIC</b>                                 | B  |
| <b>TYPE</b>   | <ul style="list-style-type: none"> <li>• Miniature circuit breaker</li> <li>• PXL</li> </ul>   |
| <b>SPECIAL FEATURES</b>                                       | Maximum operating temperature is 75 °C: Starting at 55 °C a 1 °C results in a 0.5% linear reduction of current carrying capacity   |
| <b>APPLICATION</b>  | <ul style="list-style-type: none"> <li>• Switchgear for residential and commercial applications</li> <li>• xPole - Switchgear for residential and commercial applications</li> </ul> |

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|---|-------|
| NUMBER OF POLES<br>(PROTECTED)                                      | 3     |
| NUMBER OF POLES<br>(TOTAL)  | 4     |
| RATED INSULATION<br>VOLTAGE (UI)                                    | 440 V |
| RATED OPERATIONAL<br>CURRENT FOR SPECIFIED<br>HEAT DISSIPATION (IN) | 25 A  |
| RATED OPERATIONAL<br>VOLTAGE (UE) - MAX                             | 400 V |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (EN<br>60898) AT 230 V     | 10 kA |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (EN<br>60898) AT 400 V     | 10 kA |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (IEC<br>60947-2) AT 230 V  | 0 kA  |
| RATED SHORT-CIRCUIT<br>BREAKING CAPACITY (IEC<br>60947-2) AT 400 V  | 0 kA  |
| RATED SWITCHING<br>CAPACITY (IEC/EN 60898-<br>1)                    | 10 kA |
| STATIC HEAT<br>DISSIPATION, NON-<br>CURRENT-DEPENDENT               | 0 W   |
| POWER LOSS  | 9.1 W |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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