

# Specifications

Photo is representative

## Eaton 236666

Eaton Moeller series xPole - PXL MCB. PXL, 4 pole, tripping characteristic: D, rated current In: 40 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>       | 236666                               |
| <b>EAN</b>                  | 4015082366667                        |
| <b>PRODUCT LENGTH/DEPTH</b> | 80 mm                                |
| <b>PRODUCT HEIGHT</b>       | 75 mm                                |
| <b>PRODUCT WIDTH</b>        | 70 mm                                |
| <b>PRODUCT WEIGHT</b>       | 0.478 kg                             |
| <b>COMPLIANCES</b>          | RoHS conform                         |
| <b>MODEL CODE</b>           | PXL-D40/4                            |

## Product specifications

|   |  |
|---|--|
| <b>USED WITH</b>  | Miniature circuit breaker PXL  |
| <b>AMPERAGE RATING</b>  | 40 A   |
| <b>FEATURES</b>   | Additional equipment possible  |
| <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.   |

## Resources

|                                   |   |
|-----------------------------------|---|
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-03_PXL</a>                      |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.PXL-D40_4</a>               |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">eaton-rccb-rcbo-g9-il019140zu.pdf</a> |
| <b>MCAD MODEL</b>                 | <a href="#">pls_4p.stp pls_4p.dwg</a>             |
| <b>PEP ECO-PASSPORT</b>           | <a href="#">EATO-00046-V01.01-EN</a>              |

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| <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>            | 12.8 W   |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 4 kV   |
| <b>TRIPPING CHARACTERISTIC</b>                                  | D  |
| <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 CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>  | 1 mm <sup>2</sup>  |

|   |  |
|---|--|
| <b>CONNECTABLE<br/>CONDUCTOR CROSS<br/>SECTION (SOLID-CORE) -<br/>MAX</b> | 25 mm <sup>2</sup>   |
| <b>CONNECTABLE<br/>CONDUCTOR CROSS<br/>SECTION (SOLID-CORE) -<br/>MIN</b> | 1 mm <sup>2</sup>  |
| <b>CURRENT LIMITING<br/>CLASS</b>   | 3  |
| <b>FREQUENCY RATING -<br/>MAX</b>   | 60 Hz  |
| <b>FREQUENCY RATING -<br/>MIN</b>   | 50 Hz  |
| <b>HEAT DISSIPATION<br/>CAPACITY</b>                                      | 0 W  |
| <b>HEAT DISSIPATION PER<br/>POLE, CURRENT-<br/>DEPENDENT</b>              | 0 W  |
| <b>WIDTH IN NUMBER OF<br/>MODULAR SPACINGS</b>                            | 4  |
| <b>VOLTAGE TYPE</b>   | AC   |
| <b>OVERVOLTAGE<br/>CATEGORY</b>   | III  |
| <b>NUMBER OF POLES</b>  | Four-pole  |
| <b>RELEASE<br/>CHARACTERISTIC</b>   | D  |
| <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:<br>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> |
| <b>NUMBER OF POLES<br/>(PROTECTED)</b>                                    | 4  |
| <b>NUMBER OF POLES</b>  | 4  |

|  |        |
|--|--------|
| <b>(TOTAL)</b>   |        |
| <b>RATED INSULATION VOLTAGE (UI)</b>                                 | 440 V  |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 40 A   |
| <b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>                          | 400 V  |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V</b>     | 10 kA  |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V</b>     | 10 kA  |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 230 V</b>  | 0 kA   |
| <b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 400 V</b>  | 0 kA   |
| <b>RATED SWITCHING CAPACITY (IEC/EN 60898-1)</b>                     | 10 kA  |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>                | 0 W    |
| <b>POWER LOSS</b>  | 10.6 W |

|                        |
|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| <b>DATE:</b>           |



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