

# Specyfikacje



## Eaton 286616

Eaton Moeller series xPole - PL6 MCB. PL6, 3-pole, tripping characteristic: D, rated current  $I_n$ : 32 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>	286616
<b>EAN</b>	4015082866167
<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-D32/3



Powering Business Worldwide

## Dostawa

<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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<b>NUMBER OF POLES</b>	Three-pole
<b>NUMBER OF POLES (TOTAL)</b>	3
<b>NUMBER OF POLES (PROTECTED)</b>	3
<b>TRIPPING CHARACTERISTIC</b>	D
<b>RELEASE CHARACTERISTIC</b>	D
<b>AMPERAGE RATING</b>	32 A

<b>TYPE</b>	<ul style="list-style-type: none"><li>• Miniature circuit breaker</li><li>• PL6</li></ul>
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## Elektryczne dane techniczne

<b>VOLTAGE TYPE</b>	AC
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	400 V
<b>RATED INSULATION VOLTAGE (UI)</b>	440 V
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4 kV
<b>FREQUENCY RATING - MIN</b>	50 Hz
<b>FREQUENCY RATING - MAX</b>	60 Hz
<b>RATED SWITCHING CAPACITY (IEC/EN 60898-1)</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V</b>	6 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V</b>	0 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V</b>	0 kA
<b>OVERVOLTAGE CATEGORY</b>	III
<b>POLLUTION DEGREE</b>	2

## Mechaniczne dane techniczne

<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	3
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<b>BUILT-IN DEPTH</b>	70.5 mm
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<b>DEGREE OF PROTECTION</b>	IP20
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<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN</b>	1 mm <sup>2</sup>
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<b>CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX</b>	25 mm <sup>2</sup>
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<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN</b>	1 mm <sup>2</sup>
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<b>CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX</b>	25 mm <sup>2</sup>
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## Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	32 A
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<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	0 W
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<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	11.1 W
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<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>	0 W
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<b>HEAT DISSIPATION CAPACITY</b>	0 W
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<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
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<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	75 °C
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## 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-003.jpg</a>
<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">eaton-mcb-declaration-of-conformity-eu250400en.pdf</a>
<b>INSTRUKCJE MONTAŻU</b>	<a href="#">eaton-rccb-rcho-g9-il019140zu.pdf</a>
<b>KATALOGI</b>	<a href="#">eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf</a> <a href="#">eaton-miniature-circuit-breaker-xpole-pl6-catalog-ca20190212-en-us.pdf</a>
<b>MODELE MCAD</b>	<a href="#">pls_3p.dwg pls_3p.stp</a>
<b>RYSUNKI</b>	<a href="#">eaton-xpole-pl6-mcb-dimensions.jpg</a> <a href="#">eaton-xpole-mmc4-6-m-mcb-3d-drawing-005.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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