

Specyfikacje



Eaton 166494

Eaton Moeller series xPole - PL6 MCB. PL6, 4 pole, tripping characteristic: B, rated current In: 16 A, rated switching capacity IEC/EN 60898-1: 6 kA

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PL6 MCB
CATALOG NUMBER	166494
EAN	4015081630028
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.48 kg
COMPLIANCES	RoHS conform
MODEL CODE	PL6-B16/4

Dostawa

APPLICATION

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

NUMBER OF POLES	Four-pole
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NUMBER OF POLES (TOTAL)	4
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NUMBER OF POLES (PROTECTED)	4
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TRIPPING CHARACTERISTIC	B
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RELEASE CHARACTERISTIC	B
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AMPERAGE RATING	16 A
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TYPE

- Miniature circuit breaker
- PL6

Elektryczne dane techniczne

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

WIDTH IN NUMBER OF MODULAR SPACINGS	4
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BUILT-IN DEPTH	69.5 mm
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DEGREE OF PROTECTION	IP20
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
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CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
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Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
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HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT	0 W
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EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	8.8 W
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STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT	0 W
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HEAT DISSIPATION CAPACITY	0 W
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT OPERATING TEMPERATURE - MAX	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

ENCLOSURES MADE OF INSULATING MATERIAL	responsibility.
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Do pobrania

CHARACTERISTIC CURVE

[eaton-xpole-mmc4-6-m-mcb-characteristic-curve-004.jpg](#)

[eaton-xpole-mmc4-6-m-mcb-characteristic-curve.jpg](#)

DEKLARACJE ZGODNOŚCI

[eaton-mcb-declaration-of-conformity-eu250400en.pdf](#)

INSTRUKCJE MONTAŻU

[eaton-rccb-rcho-g9-il019140zu.pdf](#)

KATALOGI

[eaton-miniature-circuit-breaker-xpole-pl6-catalog-ca20190212-en-us.pdf](#)

[eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf](#)

MODELE MCAD

[pls_4p.stp pls_4p.dwg](#)

RYSUNKI

[eaton-xpole-pl6-mcb-dimensions.jpg](#)

[eaton-xpole-pl6-mcb-3d-drawing.jpg](#)

SCHEMATY POŁĄCZEŃ

[eaton-xpole-mmc4-6-m-mcb-wiring-diagram-006.jpg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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