

Specyfikacje



Eaton 286602

Eaton Moeller series xPole - PL6 MCB. PL6, 3-pole, tripping characteristic: C, rated current In: 20 A, rated switching capacity IEC/EN 60898-1: 6 kA

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PL6 MCB
CATALOG NUMBER	286602
EAN	4015082866020
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	53.1 mm
PRODUCT WEIGHT	0.36 kg
COMPLIANCES	RoHS conform
MODEL CODE	PL6-C20/3



Powering Business Worldwide

Dostawa

APPLICATION	<ul style="list-style-type: none">• 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	20 A

TYPE	<ul style="list-style-type: none">• 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

**WIDTH IN NUMBER OF
MODULAR SPACINGS** 3

BUILT-IN DEPTH 70.5 mm

DEGREE OF PROTECTION IP20

**CONNECTABLE
CONDUCTOR CROSS
SECTION (SOLID-CORE) -
MIN** 1 mm²

**CONNECTABLE
CONDUCTOR CROSS
SECTION (SOLID-CORE) -
MAX** 25 mm²

**CONNECTABLE
CONDUCTOR CROSS
SECTION (MULTI-WIRED)
- MIN** 1 mm²

**CONNECTABLE
CONDUCTOR CROSS
SECTION (MULTI-WIRED)
- MAX** 25 mm²

Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

**RATED OPERATIONAL
CURRENT FOR SPECIFIED
HEAT DISSIPATION (IN)** 20 A

**HEAT DISSIPATION PER
POLE, CURRENT-
DEPENDENT** 0 W

**EQUIPMENT HEAT
DISSIPATION, CURRENT-
DEPENDENT** 9.8 W

**STATIC HEAT
DISSIPATION, NON-
CURRENT-DEPENDENT** 0 W

**HEAT DISSIPATION
CAPACITY** 0 W

**AMBIENT OPERATING
TEMPERATURE - MIN** -25 °C

**AMBIENT OPERATING
TEMPERATURE - MAX** 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 PL6 Miniature circuit breaker

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-002.jpg
DEKLARACJE ZGODNOŚCI	eaton-mcb-declaration-of-conformity-eu250400en.pdf
INSTRUKCJE MONTAŻU	eaton-rccb-rcbo-g9-il019140zu.pdf
KATALOGI	eaton-xpole-pl6-mcb-catalog-ca019069en-en-us.pdf eaton-miniature-circuit-breaker-xpole-pl6-catalog-ca20190212-en-us.pdf
MODELE MCAD	pls_3p.stp pls_3p.dwg
RYSUNKI	eaton-xpole-pl6-mcb-dimensions.jpg eaton-xpole-pl6-mcb-3d-drawing-002.jpg
SCHEMATY POŁĄCZEŃ	eaton-xpole-mmc4-6-m-mcb-wiring-diagram-005.jpg

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



Eaton Corporation plc

Eaton House
30 Pembroke Road
Dublin 4, Irelandia
Eaton.com

Follow us on social media to get the latest product and support information.



© 2025 Eaton. Wszelkie prawa zastrzeżone.