Specyfikacje

Eaton 166542

Eaton Moeller series xPole - PL6 MCB. PL6, 4 pole, tripping characteristic: D, 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	166542
EAN	4015081630509
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.48 kg
COMPLIANCES	RoHS conform
MODEL CODE	PL6-D16/4

Powering Business Worldwide

Dostawa

APPLICATION	• Switchgear for residential and commercial applications • xPole - Switchgear for residential and commercial applications
NUMBER OF POLES	Four-pole
NUMBER OF POLES (TOTAL)	4
NUMBER OF POLES (PROTECTED)	4
TRIPPING CHARACTERISTIC	D
RELEASE CHARACTERISTIC	D
AMPERAGE RATING	16 A
TYPE	• Miniature circuit breaker • PL6

Elektryczne dane techniczne

VOLTAGE TYPE	AC
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 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 (EN 60898) AT 230 V	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 230 V	0 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2) AT 400 V	0 kA
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2

Mechaniczne dane techniczne

WIDTH IN NUMBER OF MODULAR SPACINGS	4
BUILT-IN DEPTH	69.5 mm
DEGREE OF PROTECTION	IP20
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm^2

Weryfikacja projektu zgodnie z IEC/EN 61439 - dane techniczne

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	8.8 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-003.jpg eaton-xpole-mmc4-6-m-mcb-characteristic-curve-004.jpg
DEKLARACJE ZGODNOŚCI	DA-DC-03_PL6
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_4p.stp pls_4p.dwg
RYSUNKI	eaton-xpole-pl6-mcb-dimensions.jpg eaton-xpole-mmc4-6-m-mcb-3d-drawing-005.jpg
SCHEMATY POŁĄCZEŃ	eaton-xpole-mmc4-6-m-mcb-wiring-diagram-006.jpg

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATA:	

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