Specifications

Eaton 236486

Eaton Moeller series xPole - PXL MCB. PXL, 3-pole+N, tripping characteristic: B, rated current In: 20 A, rated switching capacity IEC/EN 60898-1: 10 kA

General specifications	
PRODUCT NAME	Eaton Moeller series xPole - PXL MCB
CATALOG NUMBER	236486
EAN	4015082364861
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	70 mm
PRODUCT WEIGHT	0.399 kg
COMPLIANCES	RoHS conform
MODEL CODE	PXL-B20/3N

Powering Business Worldwide

Product specifications

USED WITH	Miniature circuit breaker PXL
AMPERAGE RATING	20 A
FEATURES	Concurrently switching N-neutral Additional equipment possible
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.
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	Does not apply, since the

Resources

DECLARATIONS OF CONFORMITY	DA-DC-03_PXL
ECAD MODEL	DA-CE-ETN.PXL-B20_3N
INSTALLATION INSTRUCTIONS	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	pls_3pn_4p.stp pls_3pn_4p.dwg
PEP ECO-PASSPORT	EATO-00046-V01.01-EN

IMPACT	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 ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
POLLUTION DEGREE	2
DEGREE OF PROTECTION	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	10.1 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
TRIPPING CHARACTERISTIC	B
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	70.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm^2
CONNECTABLE	1 mm^2

CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm^2
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm^2
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
WIDTH IN NUMBER OF MODULAR SPACINGS	4
VOLTAGE TYPE	AC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Three-pole + N
RELEASE CHARACTERISTIC	B
TYPE	• Miniature circuit breaker • PXL
SPECIAL FEATURES	Maximum operating temperature is 75 °C: Starting at 55 °C a 1 °C results in a 0.5% linear reduction of current carrying capacity
APPLICATION	• Switchgear for residential and commercial applications • xPole - Switchgear for residential and commercial applications

NUMBER OF POLES (PROTECTED)	3
NUMBER OF POLES (TOTAL)	4
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	20 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	400 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V	10 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
RATED SWITCHING CAPACITY (IEC/EN 60898-1)	10 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
POWER LOSS	10.5 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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