Eaton 243122

Eaton Moeller series xPole - PLS6-DC MCB. PLS6, 1-pole, tripping characteristic: C, rated current In: 16 A, rated switching capacity acc. to IEC/EN 60947-2: 6 kA, Switchgear for DC applications

PRODUCT NAME	Eaton Moeller series xPole - PLS6-DC MCB
CATALOG NUMBER	243122
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.12 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	CE

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USED WITH	PLS6 Miniature circuit breaker
AMPERAGE RATING	16 A
FEATURES	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 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	Does not apply, since the

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CHARACTERISTIC CURVE	eaton-xeffect-faz-dc-mcb-characteristic-curve.jpg eaton-xeffect-faz-dc-mcb-characteristic-curve-002.jpg
□□□	eaton-xeffect-faz-dc-mcb-wiring-diagram.jpg
□□□□	eaton-xpole-pls6-dc-mcb-catalog-ca019067en-en-us.pdf
□□	eaton-xpole-mmc4-6-m-mcb-dimensions.jpg eaton-xpole-mmc4-6-m-mcb-3d-drawing-007.jpg

PROTECTION OF ASSEMBLIES	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	2 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
TRIPPING CHARACTERISTIC	C
AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	70.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm²
CONNECTABLE	1 mm²

CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	0 Hz
FREQUENCY RATING - MIN	0 Hz
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE TYPE	DC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole
RELEASE CHARACTERISTIC	C
TYPE	• Miniature circuit breaker • PLS6
SPECIAL FEATURES	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
APPLICATION	Switchgear for DC applications
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	1
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	220 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	0 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V	0 kA

RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V	10 kA
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	6 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
POWER LOSS	2.1 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
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