Specifications



Photo is representative





Eaton 236707

Eaton Moeller series xPole - PKN6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 25A, 30mA, MCB trip curve C, 1pole+N, RCCB trip char.: A

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PKN6/M RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	236707
MODEL CODE	PKN6-25/1N/C/003-A-MW
EAN	4015082367077
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.203 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE
GLOBAL CATALOG	236707

Powering Business Worldwide

Product specifications

AMPERAGE RATING	25 A
VOLTAGE RATING	230 V
SURGE CURRENT CAPACITY	0.25 kA
VOLTAGE TYPE	AC
WIDTH IN NUMBER OF MODULAR SPACINGS	2
FEATURES	Concurrently switching N-neutral
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

Resources

CATALOGS	eaton-xpole-pkn6-rcbo-catalog-ca019043en-en-us.pdf eaton-xpole-pknm-110va-rcbo-catalog-ca019042en-en-us.pdf eaton-xpole-pknm-rcbo-catalog-ca019041en-en-us.pdf
CHARACTERISTIC CURVE	eaton-xpole-pkn6-m-characteristic-curve-003.jpg
DECLARATIONS OF CONFORMITY	DA-DC-03_PKN
DRAWINGS	eaton-xeffect-frbm6m-wiring-diagram.jpg eaton-xpole-pkn6-m-dimensions.jpg eaton-xpole-pkn6-m-3d-drawing.jpg
ECAD MODEL	ETN.PKN6-25_1N_C_003-A-MW
INSTALLATION INSTRUCTIONS	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	eaton-rcd-with-overcurrent-protection-drawings-fk9051.dwg eaton-rcd-with-overcurrent-protection-3d-models-fk9051.stp
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 236707

	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 ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
OPERATING AMBIENT TEMPERATURE - MAX	40 °C
OPERATING AMBIENT TEMPERATURE - MIN	-25 °C
PRODUCT RANGE	PKN6
RATED CURRENT	25 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
RATED SWITCHING CAPACITY (IEC/EN 61009)	6 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
TRIPPING CHARACTERISTIC	C
BUILT-IN DEPTH	60 mm
CURRENT LIMITING	3

CLASS	
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	0 kA
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
FAULT CURRENT RATING	0.03 A
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)	0 kA
RATED SWITCHING CAPACITY	6 kA
BASIC FUNCTION	Combined RCD/MCB devices
MOUNTING METHOD	DIN rail
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	4.8 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
DEGREE OF PROTECTION	IP20
TRIPPING	Non-delayed
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
IMPULSE WITHSTAND CURRENT	Partly surge-proof, 250 A
LEAKAGE CURRENT TYPE	A
RELEASE CHARACTERISTIC	C
SENSITIVITY TYPE	Type A, pulse-current sensitive
FREQUENCY RATING	50 Hz

RATED INSULATION VOLTAGE (UI)	440 V
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
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	6 kA
NUMBER OF POLES	Single-pole + N
DISCONNECTION CHARACTERISTIC	Undelayed
TYPE	RCBO
APPLICATION	Switchgear for residential and commercial applications

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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