Specifications



Photo is representative

Eaton 263545

RCD/MCB, 20A, 30mA, miniature circuit-breaker trip curve C, 1pole+N, residual current circuit-breaker trip characteristic: G. PFL7-20/1N/C/003-G-DE

General specifications

PRODUCT NAME	Eaton Moeller series xPole - PFL6/7 RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	263545
MODEL CODE	PFL7-20/1N/C/003-G-DE
EAN	4015082635459
PRODUCT LENGTH/DEPTH	72 mm
PRODUCT HEIGHT	82 mm
PRODUCT WIDTH	35.4 mm
PRODUCT WEIGHT	0.203 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CE
GLOBAL CATALOG	263545
PRODUCT TYPE	RCBO - Residual-current circuit breaker with overcurrent protection

Product specifications

VOLTAGE RATING	230 V
SURGE CURRENT CAPACITY	3 kA
VOLTAGE TYPE	AC
WIDTH IN NUMBER OF MODULAR SPACINGS	2
FEATURES	Anti-nuisance tripping version 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 be evaluated.
10.2.6 MECHANICAL	Does not apply, since the

Resources

CATALOGS	eaton-xpole-pfl7-rcbo-catalog-ca019045en-en-us.pdf eaton-xpole-pfl6-rcbo-catalog-ca019046en-en-us.pdf
INSTALLATION INSTRUCTIONS	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf eaton-xpole-combined-mcb-rcd-device-rcbo-packaging-manual-multilingual.pdf

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.
PRODUCT RANGE	PFL7
RATED CURRENT	20 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	20 A
RATED SWITCHING CAPACITY (IEC/EN 61009)	10 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W
TRIPPING CHARACTERISTIC	C
BUILT-IN DEPTH	69.5 mm
CURRENT LIMITING CLASS	3
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	0 kA
FAULT CURRENT RATING	0.03 A
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-	0 W

DEPENDENT	
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
RATED SWITCHING CAPACITY	10 kA
BASIC FUNCTION	Combined RCD/MCB devices
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	4.7 W
DEGREE OF PROTECTION	IP20
TRIPPING	Short time-delayed
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
IMPULSE WITHSTAND CURRENT	Surge-proof, 3 kA
LEAKAGE CURRENT TYPE	AC
RELEASE CHARACTERISTIC	C
SENSITIVITY TYPE	Type G (ÖVE E 8601), AC current sensitive
FREQUENCY RATING	50 Hz
NUMBER OF POLES	Single-pole + N
TYPE	RCBO
APPLICATION	Switchgear for residential and commercial applications

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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