Характеристики

Eaton 286464

Eaton Moeller series xPole - PFL6/7 RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 6A, 30mA, MCB trip curve C, 1pole+N, RCCB trip type: AC, PFL6

Загальні характеристики	
PRODUCT NAME	Eaton Moeller series xPole - PFL6/7 RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	286464
EAN	4015082864644
PRODUCT LENGTH/DEPTH	86 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	37 mm
PRODUCT WEIGHT	0.225 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE
MODEL CODE	PFL6-6/1N/C/003

Powering Business Worldwide

Додаткова інформація

CURRENT LIMITING CLASS	3
FEATURES	Concurrently switching N-neutral

Програма доставки

AMPERAGE RATING	6 A
APPLICATION	Switchgear for residential and commercial applications
BASIC FUNCTION	Combined RCD/MCB devices
FAULT CURRENT RATING	0.03 A
NUMBER OF POLES	Single-pole + N
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
PRODUCT RANGE	PFL6
RATED CURRENT	6 A
RELEASE CHARACTERISTIC	C
SENSITIVITY TYPE	Type AC, AC current sensitive.
TRIPPING CHARACTERISTIC	C
TYPE	RCBO

Перевірка відповідності проектним вимогам згідно зі стандартом IEC/EN 61439	
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 PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND	Meets the product

Перевірка відповідності проектним вимогам згідно зі стандартом IEC/EN 61439 — технічні дані	
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	1.9 W
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W

CREEPAGE DISTANCES	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.

Technical data - electrical

DISCONNECTION CHARACTERISTIC	Undelayed
FREQUENCY RATING	50 Hz
IMPULSE WITHSTAND CURRENT	Partly surge-proof, 250 A
LEAKAGE CURRENT TYPE	AC
POLLUTION DEGREE	2
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	0 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	6 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)	6 kA
RATED SWITCHING CAPACITY	6 kA
RATED SWITCHING CAPACITY (IEC/EN 61009)	6 kA
SURGE CURRENT CAPACITY	0.25 kA
TRIPPING	Non-delayed
VOLTAGE RATING	230 V
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	69.5 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 CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm²
DEGREE OF PROTECTION	IP20
MOUNTING METHOD	DIN rail
WIDTH IN NUMBER OF MODULAR SPACINGS	2

Ресурси	
CHARACTERISTIC CURVE	eaton-xpole-pfl6-7-characteristic-curve-002.jpg
PEP ECO-PASSPORT	eaton-rcd-with-overcurrent-protection-pep-eato-00114-v0101-en.pdf
ІНСТРУКЦІЇ ЩОДО ВСТАНОВЛЕННЯ	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
КАТАЛОГИ	eaton-xpole-pfl6-rcbo-catalog-ca019046en-en-us.pdf eaton-xpole-pfl7-rcbo-catalog-ca019045en-en-us.pdf
КРЕСЛЕННЯ	eaton-xeffect-frbm6m-wiring-diagram.jpg eaton-xpole-pkn6-m-dimensions.jpg eaton-xpole-pkn6-m-3d-drawing.jpg

НАЗВА ПРОЕКТУ:	
НОМЕР ПРОЕКТУ:	
ПІДГОТУВАВ:	
ДАТА:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Дублін 4, Ірландія
Eaton.com

© 2026 Eaton. Усі права захищені.

Стежте за нами в соціальних мережах, щоб отримувати актуальну інформацію про продукцію та технічну підтримку.