Характеристики







Eaton 170697

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 16A, 30mA, MCB trip type B, 1-phase+N, RCCB trip type: AC

Загальні характеристики	
PRODUCT NAME	Eaton Moeller series xEffect - FRBmM RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	170697
EAN	4015081672707
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.193 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE EN45545-2 IEC 61373
MODEL CODE	FRBMM-B16/1N/003

Powering Business Worldwide

Додаткова інформація

CURRENT LIMITING CLASS	3
FEATURES	Concurrently switching N-neutral

Програма доставки

APPLICATION	Switchgear for industrial and advanced 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	FRBmM
RATED CURRENT	16 A
RELEASE CHARACTERISTIC	B
SENSITIVITY TYPE	AC current sensitive
TRIPPING CHARACTERISTIC	B
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	3.6 W
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 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 FAULT CURRENTS OF PRODUCT RANGE	10, 30, 100, 300 MilliAmpere
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
RATED INSULATION VOLTAGE (UI)	500 V
RATED OPERATIONAL VOLTAGE (UE) - MAX	240 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	15 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009)	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)	15 kA
RATED SWITCHING CAPACITY	10 kA
RATED SWITCHING CAPACITY (IEC/EN 61009)	10 kA
SURGE CURRENT CAPACITY	0.25 kA
TRIPPING	Non-delayed
VOLTAGE RATING	240 V - 240 V
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	75.5 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

PEP ECO-PASSPORT	eaton-rcd-with-overcurrent-protection-pep-eato-00114-v0101-en.pdf
БРОШУРИ	xEffect_FR_RCCB_FAZ%20MCB.pdf
ІНСТРУКЦІЇ ЩОДО ВСТАНОВЛЕННЯ	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
КРЕСЛЕННЯ	eaton-xeffect-frbm6m-wiring-diagram.jpg eaton-xeffect-frbm6m-3d-drawing-005.jpg eaton-xeffect-frbm6m-dimensions.jpg eaton-xeffect-frbm6m-characteristic-curve.jpg

НАЗВА ПРОЕКТУ:	
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