

Specifications



Photo is representative



Eaton 193486

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCBO D 16A 1+N 30mA sensitivity F, G

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	193486
MODEL CODE	FRBmM-D16/1N/003-F
EAN	9010238024595
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.198 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE EN45545-2 IEC 61373

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Product specifications

TYPE	RCBO
APPLICATION	Switchgear for industrial and advanced commercial applications
VOLTAGE RATING	240 V - 240 V
SURGE CURRENT CAPACITY	3 kA
VOLTAGE TYPE	AC
WIDTH IN NUMBER OF MODULAR SPACINGS	2
FEATURES	Concurrently switching N-neutral Anti- nuisance tripping version
OPERATING AMBIENT TEMPERATURE - MAX	40 °C
OPERATING AMBIENT TEMPERATURE - MIN	-25 °C
RATED CURRENT	16 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	15 kA
BUILT-IN DEPTH	75.5 mm
CURRENT LIMITING CLASS	3
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60947-2)	10 kA
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
FAULT CURRENT RATING	0.03 A
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
RATED OPERATIONAL VOLTAGE (UE) - MAX	240 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)	10 kA
BASIC FUNCTION	Combined RCD/MCB devices
MOUNTING METHOD	DIN rail
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	III

Resources

BROCHURES	xEffect FR RCCB FAZ%20MCB.pdf
CATALOGS	eaton-xeffect-frbm6-rcbo-catalog-ca003015en-en-us.pdf DA-DC-03 FRBM-F-1N
DECLARATIONS OF CONFORMITY	03 FRBM-F-1N 231017 DA-DC-03 FRBM-1N 03 FRBM-1N 191119
DRAWINGS	eaton-xeffect-frbm6m-dimensions.jpg eaton-xeffect-frbm6m-wiring-diagram.jpg eaton-xeffect-frbm6m-3d-drawing-007.jpg eaton-xeffect-frbm6m-characteristic-curve.jpg
ECAD MODEL	ETN.FRBM-M-D16 1N 003-F.edz
INSTALLATION VIDEOS	xeffect-FRBM6/M-installation-video
MCAD MODEL	eaton-170541-drawing.dwg eaton-170541-3d-model.stp

POLLUTION DEGREE	2
LEAKAGE CURRENT TYPE	A
RELEASE CHARACTERISTIC	D
FREQUENCY RATING	50 Hz
RATED INSULATION VOLTAGE (UI)	500 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)	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 61009-1)	10 kA
NUMBER OF POLES	Single-pole + N
DISCONNECTION CHARACTERISTIC	Undelayed

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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