



Eaton 305144

FRBMM-D6/1N/003-A-RT. RCD/MCB, 6A, 30mA, miniature circuit-breaker trip curve: D, 1pole+N, residual current circuit-breaker trip characteristic: A

□□□□

PRODUCT NAME	Eaton Moeller series xEffect - FRBmM RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	305144
PRODUCT LENGTH/DEPTH	75.5 mm
PRODUCT HEIGHT	84.5 mm
PRODUCT WIDTH	35.4 mm
PRODUCT WEIGHT	0.199 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN45545-2 IEC 61373

□□□□	
AMPERAGE RATING	16 A
SURGE CURRENT CAPACITY	0.25 kA
VOLTAGE TYPE	AC
WIDTH IN NUMBER OF MODULAR SPACINGS	2
OPERATING AMBIENT TEMPERATURE - MAX	40 °C
OPERATING AMBIENT TEMPERATURE - MIN	-25 °C
RATED CURRENT	6 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)	15 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)	15 kA
MOUNTING METHOD	DIN rail
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
LEAKAGE CURRENT TYPE	A
RELEASE CHARACTERISTIC	D
FREQUENCY RATING	50 Hz
RATED INSULATION	500 V

□□	
□□□□	xEffect_FR_RCCB_FAZ%20MCB.pdf
□□□□	eaton-xeffect-frbm6-rcbo-catalog-ca003015en-en-us.pdf
	eaton-xeffect-frbm6m-3d-drawing-007.jpg
	eaton-xeffect-frbm6m-dimensions.jpg
□□	eaton-xeffect-frbm6m-wiring-diagram.jpg
	eaton-xeffect-frbm6m-characteristic-curve.jpg

VOLTAGE (UI)	
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
DISCONNECTION CHARACTERISTIC	Undelayed

□□□□:
□□□□:
□□□:
□□: