

Eaton 170621

Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breaker with overcurrent protection. RCD/MCB, 25A, 30mA, MCB trip type C, 1-phase+N, RCCB trip type: A, G

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PRODUCT NAME	Eaton Moeller series xEffect - FRBmM RCBO - residual-current circuit breaker with overcurrent protection
CATALOG NUMBER	170621
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	35 mm
PRODUCT WEIGHT	0.204 kg
COMPLIANCES	CE Marked RoHS conform
CERTIFICATIONS	CE EN45545-2 IEC 61373



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AMPERAGE RATING	25 A
VOLTAGE RATING	240 V - 240 V
SURGE CURRENT CAPACITY	0.25 kA
VOLTAGE TYPE	AC
WIDTH IN NUMBER OF MODULAR SPACINGS	2
FEATURES	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	ls 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.

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CHARACTERISTIC BUILT-IN DEPTH 75.5 mm CURRENT LIMITING CLASS RATED SHORT-CIRCUIT 10 kA	DISSIPATION, NON-	0 W
CURRENT LIMITING CLASS RATED SHORT-CIRCUIT 10 kA		С
CLASS RATED SHORT-CIRCUIT 10 kA	BUILT-IN DEPTH	75.5 mm
10 kA		3
		10 kA

60947-2)	
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
FAULT CURRENT RATING	0.03 A
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
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
RATED SWITCHING CAPACITY	10 kA
BASIC FUNCTION	Combined RCD/MCB devices
MOUNTING METHOD	DIN rail
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	5 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
DEGREE OF PROTECTION	IP20
OPERATING AMBIENT TEMPERATURE HINT	Keep in mind the derating at temperatures higher than 40 °C
TRIPPING	Non-delayed
OVERVOLTAGE CATEGORY	Ш
POLLUTION DEGREE	2
IMPULSE WITHSTAND CURRENT	Partly surge-proof, 250 A
LEAKAGE CURRENT TYPE	A
RELEASE CHARACTERISTIC	С
SENSITIVITY TYPE	Pulse-current sensitive
FREQUENCY RATING	50 Hz
RATED INSULATION	500 V
VOLTAGE (UI)	

CONDUCTOR CROSS SECTION (SOLID-CORE) -MIN

CONNECTABLE
CONDUCTOR CROSS
SECTION (SOLID-CORE) -

25 mm²

MAX

CONNECTABLE
CONDUCTOR CROSS
SECTION (MULTI-WIRED)

1 mm²

- MIN

CONNECTABLE
CONDUCTOR CROSS
SECTION (MULTI-WIRED)

25 mm²

- MAX

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN

10 kA

61009)

RATED SHORT-CIRCUIT BREAKING CAPACITY (EN

10 kA

61009-1)

Single-pole + N

DISCONNECTION CHARACTERISTIC

NUMBER OF POLES

Undelayed

TYPE RCBO

Switchgear for industrial and advanced commercial applications

0000:	
0000:	
000:	
00:	



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