DATASHEET - FRBMM-C16/1N/003-G

RCD/MCB combination, 16 A, 30 mA, MCB trip characteristic: C, 1p+N, RCD trip characteristic: AC

Part no. FRBMM-C16/1N/003-G 170625

Similar to illustration

General specifications	
Product name	Eaton Moeller series xEffect - FRBm6/M RCBO - residual-current circuit breake with overcurrent protection
Part no.	FRBMM-C16/1N/003-G
EAN	4015081672097
Product Length/Depth	80 millimetre
Product height	75 millimetre
Product width	35 millimetre
Product weight	0.198 kilogram
Compliances	CE Marked RoHS conform
Certifications	CE IEC 61373 EN45545-2
Product Tradename	xEffect - FRBm6/M
Product Type	RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type	None
Delivery program	
Application	Switchgear for industrial and advanced commercial applications
Product range	FRBmM
Basic function	Combined RCD/MCB devices
Number of poles	Single-pole + N
Number of poles (protected)	1
Number of poles (total)	2
Tripping characteristic	С
Release characteristic	С
Amperage Rating	16 A
Rated current	16 A
Fault current rating	0.03 A
Sensitivity type	AC current sensitive
Туре	RCBO
Fechnical Data - Electrical	
Voltage type	AC
Voltage rating	240 V - 240 V
Rated operational voltage (Ue) - max	240 V
Rated insulation voltage (Ui)	500 V
Rated impulse withstand voltage (Uimp)	4 kV
	10, 30, 100, 300 MilliAmpere
Rated fault currents of product range Impulse withstand current	Surge-proof, 3 kA
Frequency rating	
Leakage current type	50 Hz
	AC
Rated switching capacity	10 kA
Rated switching capacity (IEC/EN 61009)	10 kA
Rated short-circuit breaking capacity (EN 60947-2)	15 kA
Rated short-circuit breaking capacity (EN 61009)	10 kA
Rated short-circuit breaking capacity (EN 61009-1)	10 kA
Rated short-circuit breaking capacity (IEC 60947-2)	15 kA

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Additional information Current limiting class Current limiting class	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Current limiting class 3	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	Additional information	
Features Concurrently switching N-neutral	Current limiting class	3
Anti-nuisance tripping version	Features	Concurrently switching N-neutral Anti-nuisance tripping version

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker (EC000905)				
Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / MCB/RCCB combination (ecl@ss13-27-14-22-07 [AFZ810020])				
Number of poles (total)	2			
Number of protected poles	1			

Number of protected poles		1
Rated voltage	V	240
Rated insulation voltage Ui	V	500
Rated impulse withstand voltage Uimp	kV	4

Rated current	Α	16
Rated fault current	Α	0.03
Leakage current type		AC
Current limiting class		3
Power loss	W	
Rated short-circuit breaking capacity according to EN 61009	kA	10
Rated short-circuit breaking capacity according to IEC 60947-2	kA	15
Rated short-circuit breaking capacity Icn according to EN 61009-1	kA	10
Disconnection characteristic		Short-time delayed
Surge current capacity	kA	3
Voltage type		AC
Frequency		50 Hz
Release characteristic		С
Concurrently switching neutral conductor		Yes
With interlocking device		No
Over voltage category		3
Pollution degree		2
Ambient temperature during operating	°C	-25 - 40
Width in number of modular spacings		2
Built-in depth	mm	75.5
Flush-mounted installation		No
Anti-nuisance tripping version		Yes
Degree of protection (IP)		IP20
Connectable conductor cross section solid-core	mm²	1 - 25
Connectable conductor cross section multi-wired	mm²	1 - 25