

**RCD/MCB combination, 32 A, 30 mA, MCB trip characteristic: C, 3p+N,
RCD trip characteristic: A**



**Part no. FRBM4-C32/3N/003-A
171002**

Similar to illustration

Product name	Eaton Moeller series xEffect - FRBm4 RCBO - residual-current circuit breaker with overcurrent protection
Part no.	FRBM4-C32/3N/003-A
EAN	4015081675067
Product Length/Depth	80 millimetre
Product height	75.5 millimetre
Product width	70 millimetre
Product weight	0.445 kilogram
Compliances	CE Marked RoHS conform
Certifications	CE IEC 61373 EN45545-2
Product Tradename	xEffect - FRBm4
Product Type	RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type	None
Application	Switchgear for industrial and advanced commercial applications
Product range	FRBm4
Basic function	Combined RCD/MCB devices
Number of poles	Three-pole + N
Number of poles (protected)	4
Number of poles (total)	4
Tripping characteristic	C
Release characteristic	C
Amperage Rating	32 A
Rated current	32 A
Fault current rating	0.03 A
Sensitivity type	Pulse-current sensitive
Type	RCBO
Voltage type	AC
Voltage rating	415 V - 415 V
Rated operational voltage (Ue) - max	415 V
Rated insulation voltage (Ui)	500 V
Rated impulse withstand voltage (Uimp)	4 kV
Rated fault currents of product range	30, 100, 300 MilliAmpere
Impulse withstand current	Partly surge-proof, 250 A
Frequency rating	50 Hz
Leakage current type	A
Rated switching capacity	4.5 kA
Rated switching capacity (IEC/EN 61009)	4.5 kA
Rated short-circuit breaking capacity (EN 60947-2)	4.5 kA
Rated short-circuit breaking capacity (EN 61009)	4.5 kA
Rated short-circuit breaking capacity (EN 61009-1)	4.5 kA
Rated short-circuit breaking capacity (IEC 60947-2)	4.5 kA

Surge current capacity		0.25 kA
Disconnection characteristic		Undelayed
Tripping		Non-delayed
Pollution degree		2
Width in number of modular spacings		4
Built-in depth		75.5 mm
Degree of protection		IP20
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 operational current for specified heat dissipation (I _n)		32 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		15.6 W
Static heat dissipation, non-current-dependent		0 W
Heat dissipation capacity		0 W
Ambient operating temperature - max		40 °C
Ambient operating temperature - min		-25 °C
Current limiting class		3
Features		Concurrently switching N-neutral

Technical data ETIM 8.0

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@ss10.0.1-27-14-22-07 [AFZ810015])

Number of poles (total)		4
Number of protected poles		4
Rated voltage	V	415
Rated insulation voltage U _i	V	500
Rated impulse withstand voltage U _{imp}	kV	4
Rated current	A	32
Rated fault current	A	0.03
Leakage current type		A
Current limiting class		3
Rated short-circuit breaking capacity according to EN 61009	kA	4.5
Rated short-circuit breaking capacity according to IEC 60947-2	kA	4.5
Rated short-circuit breaking capacity I _{cn} according to EN 61009-1	kA	4.5
Disconnection characteristic		Undelayed
Surge current capacity	kA	0.25
Voltage type		AC
Frequency		50 Hz
Release characteristic		C
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		4
Built-in depth	mm	75.5
Flush-mounted installation		No
Anti- nuisance tripping version		No
Degree of protection (IP)		IP20
Connectable conductor cross section solid-core	mm ²	1 - 25

