

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



Part no. mRB4-32/3N/C/003-A
167508
EL Number 1654597
(Norway)

Similar to illustration

General specifications		
Product name		Eaton Moeller series xPole - mRB4/6 RCBO - residual-current circuit breaker with overcurrent protection
Part no.		mRB4-32/3N/C/003-A
EAN		4015081640096
Product Length/Depth		86 millimetre
Product height		75 millimetre
Product width		70 millimetre
Product weight		0.48 kilogram
Compliances		CE Marked RoHS conform
Certifications		CE
Product Tradename		xPole - mRB4/6
Product Type		RCBO - Residual-current circuit breaker with overcurrent protection
Product Sub Type		None
Delivery program		
Application		Switchgear for residential and commercial applications
Product range		mRB4
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
Rated current		32 A
Fault current rating		0.03 A
Sensitivity type		Type A, pulse-current sensitive
Type		RCBO
Technical Data - Electrical		
Voltage type		AC
Voltage rating		230 V
Rated operational voltage (Ue) - max		400 V
Rated insulation voltage (Ui)		500 V
Rated impulse withstand voltage (Uimp)		4 kV
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 60947-2)		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
Back-up fuse		100 Ampere gL
Pollution degree		2
Technical Data - Mechanical		
Width in number of modular spacings		4
Device height		80 mm
Built-in depth		70 mm
Mounting style		Tri-stable slide catch - enables removal from existing busbar combination
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
Design verification as per IEC/EN 61439 - technical data		
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
Additional information		
Current limiting class		3
Features		Concurrently switching N-neutral
Standards		IEC/EN 61009

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	400
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	70

Flush-mounted installation			No
Anti- nuisance tripping version			No
Degree of protection (IP)			IP20
Connectable conductor cross section solid-core		mm ²	1 - 25
Connectable conductor cross section multi-wired		mm ²	1 - 25