

Residual current circuit breaker (RCCB), 40A, 2 p, 300mA, type A

Part no. **mRCM-40/2/03-A**
142761

General specifications		
Product name		Eaton Moeller series xPole - mRCM RCCB
Part no.		mRCM-40/2/03-A
EAN		4015081394616
Product Length/Depth		80 millimetre
Product height		71 millimetre
Product width		35 millimetre
Product weight		0.22 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 61008
Product Tradename		xPole - mRCM
Product Type		RCCB
Product Sub Type		None
Delivery program		
Application		Switchgear for residential and commercial applications xPole - Switchgear for residential and commercial applications
Number of poles		Two-pole
Tripping time		Non-delayed
Amperage Rating		40 A
Rated short-circuit strength		10 kA
Fault current rating		300 mA
Sensitivity type		Pulse-current sensitive
Impulse withstand current		Partly surge-proof 250 A
Type		mRCM Residual current circuit breaker, only for export Type A
Technical Data - Electrical		
Rated operational voltage (Ue) - max		230 V
Rated insulation voltage (Ui)		440 V
Rated impulse withstand voltage (Uimp)		4 kV
Rated fault current - min		0.3 A
Rated fault current - max		0.3 A
Frequency rating		50 Hz
Short-circuit rating		63 A (max. admissible back-up fuse)
Leakage current type		A
Rated residual making and breaking capacity		500 A
Admissible back-up fuse overload - max		25 A gG/gL
Rated short-time withstand current (Icw)		10 kA
Surge current capacity		0.25 kA
Pollution degree		2
Technical Data - Mechanical		
Width in number of modular spacings		2
Built-in depth		68 mm
Mounting Method		DIN rail
Degree of protection		IP20
Connectable conductor cross section (solid-core) - min		1.5 mm ²
Connectable conductor cross section (solid-core) - max		35 mm ²
Connectable conductor cross section (multi-wired) - min		1.5 mm ²
Connectable conductor cross section (multi-wired) - max		16 mm ²

Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (I _n)		40 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		5.4 W
Static heat dissipation, non-current-dependent		0 W
Heat dissipation capacity		0 W
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		60 °C
Additional information		
Features		Residual current circuit-breakers only for export Additional equipment possible
Fitted with:		Interlocking device
Special features		Maximum operating temperature is 60 °C: Starting at 40 °C, the max. permissible continuous current decreases by 2.5% for every 1 °C
Used with		Residual current circuit breaker, only for export mRCM Type A

Technical data ETIM 8.0

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)		
Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecI@ss10.0.1-27-14-22-01 [AAB906014])		
Number of poles		2
Rated voltage	V	230
Rated current	A	40
Rated fault current	A	0.3
Rated insulation voltage U _i	V	440
Rated impulse withstand voltage U _{imp}	kV	4
Mounting method		DIN rail
Leakage current type		A
Selective protection		No
Short-time delayed tripping		No
Short-circuit breaking capacity (I _{cw})	kA	10
Surge current capacity	kA	0.25
Voltage type		AC
With interlocking device		Yes
Frequency		50 Hz
Additional equipment possible		Yes
Degree of protection (IP)		IP20
Width in number of modular spacings		2
Built-in depth	mm	68
Ambient temperature during operating	°C	-25 - 60
Pollution degree		2
Connectable conductor cross section multi-wired	mm ²	1.5 - 16
Connectable conductor cross section solid-core	mm ²	1.5 - 35
Explosion-proof		No