



Residual current circuit breaker (RCCB), 25A, 4p, 30mA, type AC

Part no.
Catalog No.

mRCM-25/4/003
142781

Delivery program

Basic function			Residual current circuit-breakers only for export
Number of poles			4 pole
Application			Switchgear for residential and commercial applications
Rated current	I_n	A	25
Rated short-circuit strength	I_{cn}	kA	10
Rated fault current	$I_{\Delta N}$	A	0.03
Type			Type AC
Tripping		s...	non-delayed
Product range			mRCM
Sensitivity			AC current sensitive
Impulse withstand current			Partly surge-proof 250 A

Technical data

Electrical

Types conform to			IEC/EN 61008
Sensitivity			AC current sensitive
Rated short-circuit strength	I_{cn}	kA	10
Max. admissible back-up fuse			
Short-circuit	gG/gL	A	63
Overload	gG/gL	A	25
Max. back-up fuse		A gL/gG	25
Maximum max. as short-circuit protective device		A gL	
Back-up fuse		A gL	63

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	25
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	3.1
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C

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) (ec1@ss10.0.1-27-14-22-01 [AAB906014])			
Number of poles			4
Rated voltage		V	400
Rated current		A	25
Rated fault current		A	0.03
Rated insulation voltage U_i		V	440
Rated impulse withstand voltage U_{imp}		kV	4
Mounting method			DIN rail

Leakage current type			AC
Selective protection			No
Short-time delayed tripping			No
Short-circuit breaking capacity (I _{cn})		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			4
Built-in depth		mm	68
Ambient temperature during operating		°C	-25 - 55
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

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