



## Residual current circuit breaker (RCCB), 25A, 2 p, 100mA, type AC

Part no.  
Catalog No.

mRCM-25/2/01  
142752

Similar to illustration

## Delivery program

Basic function			Residual current circuit-breakers only for export
Number of poles			2 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	0.1
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	1.3
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			2
Rated voltage		V	230
Rated current		A	25
Rated fault current		A	0.1
Rated insulation voltage $U_i$		V	440

Rated impulse withstand voltage Uimp	kV	4
Mounting method		DIN rail
Leakage current type		AC
Selective protection		No
Short-time delayed tripping		No
Short-circuit breaking capacity (Icw)	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 - 55
Pollution degree		2
Connectable conductor cross section multi-wired	mm <sup>2</sup>	1.5 - 16
Connectable conductor cross section solid-core	mm <sup>2</sup>	1.5 - 35
Explosion-proof		No

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