## DATASHEET - FRBMM-C25/1N/01-A



RCD/MCB combination, 25 A, 100 mA, MCB trip characteristic: C, 1p+N, RCD trip characteristic: A



Part no. Catalog No. Alternate Catalog No.

FRBMM-C25/1N/01-A 170689 alog FRBMM-C25/1N/01-A

Similar to illustration

#### **Delivery program**

Basic function			Combined RCD/MCB devices
Number of poles			1 pole+N
Tripping characteristic			C
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	25
Rated switching capacity according to IEC/EN 61009		kA	10
Rated fault current	$I_{\Delta N}$	А	0.1
Туре			Туре А
Tripping		s	non-delayed
Product range			FRBmM
Sensitivity			Pulse-current sensitive
Impulse withstand current			Partly surge-proof 250 A
Contact sequence			

#### **Technical data**

Electrical			
Protected pole			1
Rated voltage according to IEC/EN 60947-2	Un	V AC	240
Rated frequency	f	Hz	50
Rated fault current	$I_{\Delta n}$	mA	100
Sensitivity			Pulse-current sensitive
Rated current	In	А	25
Tripping characteristic			C
Standards			EN 45545-2; IEC 61373

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	25
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	5
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40
			0
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.

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### **Technical data ETIM 7.0**

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])

[AF2810013])			
Number of poles (total)			2
Number of protected poles			1
Rated voltage	,	V	240
Rated insulation voltage Ui	,	V	500
Rated impulse withstand voltage Uimp	l	kV	4
Rated current		A	25
Rated fault current		A	0.1
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity acc. EN 61009	I	kA	10
Rated short-circuit breaking capacity IEC 60947-2	I	kA	10
Rated short-circuit breaking capacity Icn acc. EN 61009-1	l	kA	10
Disconnection characteristic			
Surge current capacity	I	kA	0.25
Voltage type			AC
Frequency			50 Hz
Release characteristic			C
Concurrently switching N-neutral			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			2
Built-in depth	I	mm	75.5
Suitable for flush-mounted installation			No
Anti-nuisance tripping version			No
Degree of protection (IP)			IP20

Connectable conductor cross section solid-core	mm <sup>2</sup> 1 - 25
Connectable conductor cross section multi-wired	mm <sup>2</sup> 1 - 25

# Dimensions



