DATASHEET - FRBMM-B13/1N/01-A



RCD/MCB combination, 13 A, 100 mA, MCB trip characteristic: B, 1p+N, RCD trip characteristic: A



Part no. Catalog No. Alternate Catalog No.

FRBMM-B13/1N/01-A 170666 alog FRBMM-B13/1N/01-A

Similar to illustration

Delivery program

Basic function			Combined RCD/MCB devices
Number of poles			1 pole+N
Tripping characteristic			В
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	А	13
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	13
Tripping characteristic			В
Standards			EN 45545-2; IEC 61373

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	13
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	3.4
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	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])

[AF2810015])		
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	kV	4
Rated current	А	13
Rated fault current	А	0.1
Leakage current type		Α
Current limiting class		3
Rated short-circuit breaking capacity acc. EN 61009	kA	10
Rated short-circuit breaking capacity IEC 60947-2	kA	15
Rated short-circuit breaking capacity Icn acc. EN 61009-1	kA	10
Disconnection characteristic		
Surge current capacity	kA	0.25
Voltage type		AC
Frequency		50 Hz
Release characteristic		В
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	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 ² 1 - 25
Connectable conductor cross section multi-wired	mm ² 1 - 25

Dimensions



