



**RCD/RCB combination switch, 6A, 100mA, miniature circuit-br. type D trip characteristic, 1-phase+N, residual current circuit-br. trip characteristic: A**

**Part no. FRBMM-D6/1N/01-A**  
**Article no. 170546**  
**Catalog No. FRBMM-D6/1N/01-A**

Similar to illustration

## Delivery program

Basic function			Combined RCD/RCB devices
Number of poles			1 pole+N
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	$I_n$	A	6
Rated switching capacity according to IEC/EN 61009		kA	10
Rated fault current	$I_{\Delta N}$	A	0.1
Tripping		A	non-delayed
Product range			FRBmM
Sensitivity			Pulse-current sensitive
Impulse withstand current			Partly surge-proof 250 A
Contact sequence			

## Technical data

### Electrical

Sensitivity			Pulse-current sensitive
Rated current	$I_n$	A	6
Tripping characteristic			D

## Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
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

## Technical data ETIM 6.0

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@ss8.1-27-14-22-07 [AFZ810012])			
Number of poles (total)			2
Number of protected poles			1
Nominal rated voltage		V	240
Nominal rated current		A	6
Rated fault current		A	0.1
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity EN 60898		kA	10
Rated short-circuit breaking capacity IEC 60947-2		kA	0

Frequency		50 Hz
Release characteristic		D
Concurrently switching N-neutral		Yes
Over voltage category		3
Pollution degree		2
Width in number of modular spacings		2
Built-in depth	mm	75.5
Suitable for flush-mounted installation		No
Degree of protection (IP)		IP20
Surge current capacity	kA	0.25
Voltage type		AC
Antinuisance tripping version		No

## Dimensions

