

**RCD/MCB combination, 16 A, 30 mA, MCB trip characteristic: D, 1p+N,
RCD trip characteristic: G/A**

Part no. FRBM6-D16/1N/003-G/A
Catalog No. 177860
Alternate Catalog No. FRBM6-D16/1N/003-G/A

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	16
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	3.6
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 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])			
Number of poles (total)			2
Number of protected poles			1
Rated voltage		V	240
Rated insulation voltage U_i		V	500
Rated impulse withstand voltage U_{imp}		kV	4
Rated current		A	16
Rated fault current		A	0.03
Leakage current type			A
Current limiting class			3
Rated short-circuit breaking capacity acc. EN 61009		kA	6
Rated short-circuit breaking capacity IEC 60947-2		kA	6
Rated short-circuit breaking capacity I_{cn} acc. EN 61009-1		kA	6
Disconnection characteristic			Short-time delayed
Surge current capacity		kA	3
Voltage type			AC
Frequency			50 Hz
Release characteristic			D
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			Yes
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