



RCD/RCB combination switch, 20A, 100mA, miniature circuit-br. type D trip characteristic, 3-phase+N, residual current circuit-br. trip characteristic: A

Part no. FRBM4-D20/3N/01-A
Article no. 170942
Catalog No. FRBM4-D20/3N/01-A

Similar to illustration

Delivery program

Basic function			Combined RCD/RCB devices
Number of poles			3 pole+N
Tripping characteristic			D
Application			Switchgear for industrial and advanced commercial applications
Rated current	I_n	A	20
Rated switching capacity according to IEC/EN 61009		kA	4.5
Rated fault current	$I_{\Delta N}$	A	0.1
Tripping		A	non-delayed
Product range			FRBm4
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	20
Tripping characteristic			D

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	20
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	12
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

Technical data ETIM 6.0

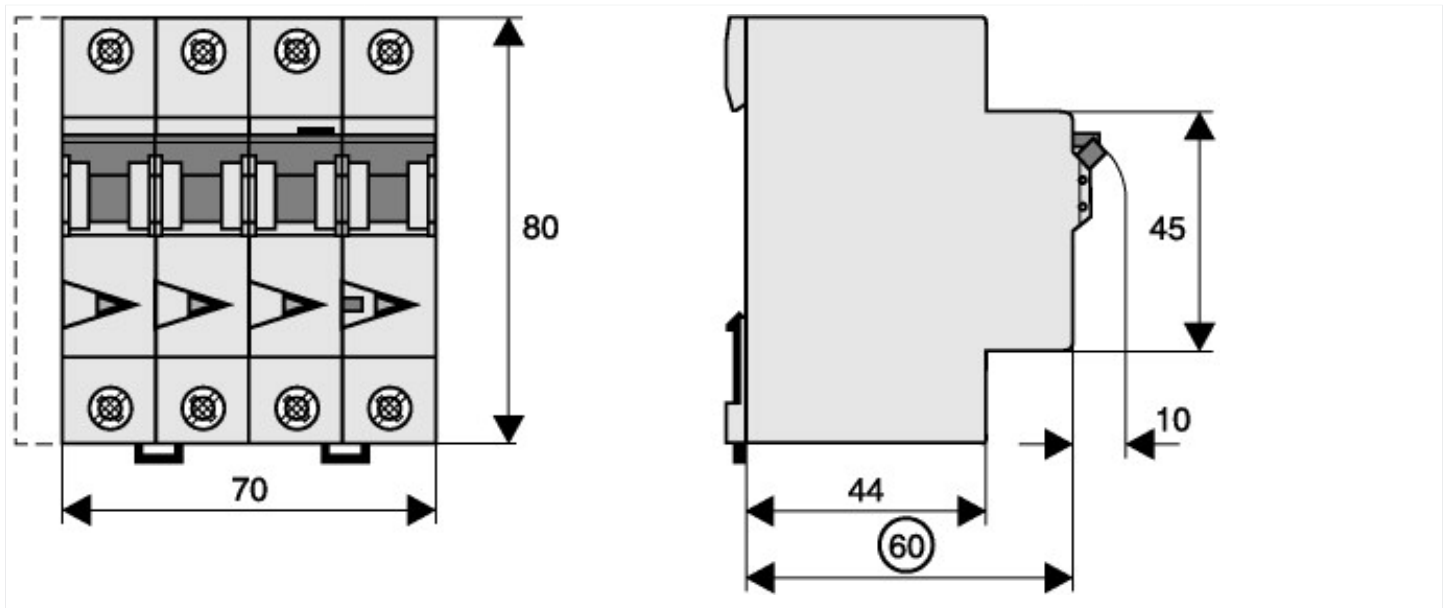
Circuit breakers and fuses (EG000020) / Earth leakage circuit breaker (EC000905)

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)			4
Number of protected poles			3
Nominal rated voltage		V	415
Nominal rated current		A	20
Rated fault current		A	0.1
Leakage current type			A
Current limiting class			3

Rated short-circuit breaking capacity EN 60898	kA	4.5
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		4
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



Additional product information (links)

Product overview (Web)

<http://www.eaton.eu/Europe/Electrical/ProductsServices/CircuitProtection/DigitalCircuitBreakers/index.htm>