

Residual current circuit breaker (RCCB), 63A, 2p, 100mA, type G/A

Powering Business Worldwide*

Part no. FRCMM-63/2/01-G/A
Article no. 170287
Catalog No. FRCMM-63/2/01-G/A

Similar to illustration

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Basic function			Residual current circuit breakers
Number of poles			2 pole
Application			Switchgear for industrial and advanced commercial applications
Rated current	In	Α	63
Rated short-circuit strength	I _{cn}	kA	10 with back-up fuse
Rated fault current	$I_{\Delta N}$	Α	0.1
Туре			Type G/A (ÖVE E 8601)
Tripping		Α	Short time-delayed
Product range			FRCmM
Sensitivity			Pulse-current sensitive
Impulse withstand current			Surge-proof, 3 kA
Contact sequence			T N H H Z N

Technical data

Flectrica

Electrical			
Types conform to			ÖVE E 8601
Current test marks			As per inscription
Tripping		Α	10 ms delayed
Rated operating voltage	U_{n}	V AC	240/415
Rated frequency	f	Hz	50
Limit values of the operating voltage			
Test circuit		V AC	196 - 264
Rated fault current	$I_{\Delta n}$	mA	100
Sensitivity			Pulse-current sensitive
Rated insulation voltage	Ui	V	440
Rated impulse withstand voltage	U_{imp}	kV	4 (1.2/50µs)
Rated short-circuit strength	I _{cn}	kA	10 with back-up fuse
Impulse withstand current			3 kA (8/20 µs) surge-proof
Max. admissible back-up fuse			
Short-circuit	gG/gL	Α	63
Overload	gG/gL	Α	63
Rated making and breaking capacity / Rated residual making and breaking capacity	$I_m/I_{\Delta m}$	Α	630
lifespan			
Electrical			n≦⊇ ₂₀₀₀
Mechanical		Operation	n\$ <u>≥</u> 10000
Mechanical			
Standard front dimension		mm	45
Device height		mm	80

Built-in width	mm	35 (2TE)
Mounting		Quick attachment with 2 latch positions for DIN-rail IEC/EN 60715
Degree of Protection		IP20 switches IP 40 enclosed
Terminals top and bottom		Twin-purpose terminals
Terminal protection		Busbar tag shroud to BGV A3, ÖVE-EN 6
Terminal cross-section		
Solid	mm^2	1.5 - 35
Stranded	mm^2	2 x 16
Terminal cross-section		M5 (with cross-recessed screw as defined in EN ISO 4757-Z2, Pozidriv PZ2)
Tightening torque of fixing screws	N/m	2 - 2.4
Thickness of busbar material	mm	0.8 - 2
Admissible ambient temperature range	°C	-25 - +40
Permissible storage and transport temperatures	°C	-35 - +60
Climatic proofing		according to IEC/EN 61008
Mounting position		As required
Contact position indicator		red / green
Trip indication		white / blue

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40

Technical data ETIM 6.0

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB)

Nominal rated voltage Nominal rated current A 63 Rated fault current A 0.1 Mounting method Leakage current type Selective protection Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth V 240 Ad 3 A 0.1 A 0 No No No No No No No No No N	(ecl@ss8.1-27-14-22-01 [AAB906011])		
Nominal rated current A 63 Rated fault current A 0.1 Mounting method Leakage current type A 10 Selective protection Short-circuit breaking capacity (Icw) A 10 Surge current capacity KA 3 Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth A 63 Ba 63 Ba 63 Ba 64 Ba 7 Ba 64 Ba 7 Ba 65 Ba 7 Ba 68 Ba 7	Number of poles		2
Rated fault current Mounting method Leakage current type Selective protection Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Built-in depth M 0.1 A 0.1 A 0.1 A 0.1 A 0.1 A 0.2 A 0.2	Nominal rated voltage	V	240
Mounting method Leakage current type Selective protection No Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Built-in depth DIN rail A A A A DIN A P P P P P P P P P P P P	Nominal rated current	Α	63
Leakage current type Selective protection No Short-circuit breaking capacity (Icw) Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth A A A 10 Say 3 Frequency Frequency Yes IP20 1 2 Built-in depth A 1 A A	Rated fault current	Α	0.1
Selective protection Short-circuit breaking capacity (Icw) Surge current capacity KA 10 Surge current capacity Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth No No No 10 PED 10 10 10 10 10 10 10 10 10 1	Mounting method		DIN rail
Short-circuit breaking capacity (Icw) Surge current capacity kA 3 Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth kA 10 10 10 10 10 10 10 10 10 1	Leakage current type		A
Surge current capacity kA 3 Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth kA 3 Frequency Yes IP20 1 2 Built-in depth mm 70.5	Selective protection		No
Frequency Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth 50 Hz Yes IP20 1 2 Built-in depth mm 70.5	Short-circuit breaking capacity (Icw)	kA	10
Additional equipment possible Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth Yes IP20 1 2 Built-in depth mm 70.5	Surge current capacity	kA	3
Degree of protection (IP) Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth IP20 1 2 Built-in depth mm 70.5	Frequency		50 Hz
Construction size (in accordance with DIN 43880) Width in number of modular spacings Built-in depth 1 70.5	Additional equipment possible		Yes
Width in number of modular spacings 2 Built-in depth 70.5	Degree of protection (IP)		IP20
Built-in depth mm 70.5	Construction size (in accordance with DIN 43880)		1
	Width in number of modular spacings		2
Short-time delayed tripping Yes	Built-in depth	mm	70.5
	Short-time delayed tripping		Yes

Dimensions 5,5