



Residual current circuit breaker (RCCB), 63A, 2p, 30mA, type G/A

Part no. FRCMM-63/2/003-G/A-NA-110
Article no. 167695
Catalog No. PDC-TBD6253

Similar to illustration

Delivery program

Basic function			Residual current circuit breakers
Number of poles			2 pole
Application			Switchgear for 110-V systems
Rated current	I_n	A	63
Rated short-circuit strength	I_{cn}	kA	10 with back-up fuse
Rated fault current	$I_{\Delta N}$	A	0.03
Type			Type G/A (ÖVE E 8601)
Tripping		A	Short time-delayed
Product range			FRCmM-NA-110
Sensitivity			Pulse-current sensitive
Impulse withstand current			Surge-proof, 3 kA
Contact sequence			



Technical data

Electrical

Types conform to			IEC/EN 61008 ÖVE E 8601
Current test marks			As per inscription
Tripping		A	10 ms delay at 50 Hz
Rated operating voltage	U_n	V AC	110/190
Rated frequency	f	Hz	50/60
Limit values of the operating voltage			
Test circuit		V AC	94 - 121
Rated fault current	$I_{\Delta n}$	mA	30
Sensitivity			Pulse-current sensitive
Rated insulation voltage	U_i	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	A	63
Overload	gG/gL	A	40
Rated making and breaking capacity / Rated residual making and breaking capacity	$I_m / I_{\Delta m}$	A	630
lifespan			
Electrical		Operations	2000
Mechanical		Operations	5000

Electrical

Types conform to			UL1053
Current test marks			As per inscription

Tripping			8 ms delay at 60 Hz
Rated operating voltage	U _n		208/120 V, 60 Hz
Limit values of the operating voltage			
Test circuit		V AC	94 - 132
Pick-up current		mA	22
Sensitivity			Pulse-current sensitive
Overtoltage-tested		V	530
Rated impulse withstand voltage	U _{imp}	kV	4 (1.2/50µs)
Rated short-circuit strength	I _{cn}	kA	5 as per CSA
Max. admissible back-up fuse			
Short-circuit			70 A class J fuse
Overload			The maximum operating current must not exceed the residual current circuit-breaker's rated operational current
Rated making and breaking capacity / Rated residual making and breaking capacity	I _m / I _{Δm}	A	630
lifespan			
Electrical		Operations 	2000
Mechanical		Operations 	5000

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			Lift 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)
Admissible ambient temperature range		°C	-25 - +40
Permissible storage and transport temperatures		°C	-35 - +60
Climatic proofing			according to IEC/EN 61008
Humidity		%	5 - 95
Pollution degree			2
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) (ecI@ss8.1-27-14-22-01 [AAB906011])			
Number of poles			2
Nominal rated voltage		V	110
Nominal rated current		A	63
Rated fault current		A	0.03
Mounting method			DIN rail
Leakage current type			A
Selective protection			No

Short-circuit breaking capacity (I _{cn})	kA	10
Surge current capacity	kA	3
Frequency		50 Hz
Additional equipment possible		Yes
Degree of protection (IP)		IP20
Construction size (in accordance with DIN 43880)		1
Width in number of modular spacings		2
Built-in depth	mm	70.5
Short-time delayed tripping		Yes

Dimensions

