



Digital residual current circuit-breaker, 63A, 4p, 30mA, type G/B, 60Hz

Part no. **FRCDM-63/4/003-G/B/60HZ**  
Article no. **180424**

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	63
Equipment heat dissipation, current-dependent	$P_{vid}$	W	10
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
			Starting at 45 °C, the max. permissible continuous current decreases by 4% for every 1 °C
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			
10.13 Mechanical function			

## 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) (ecl@ss8.1-27-14-22-01 [AAB906011])			
Number of poles			4
Nominal rated voltage		V	415
Nominal rated current		A	63
Rated fault current		A	0.03
Mounting method			DIN rail
Leakage current type			B
Selective protection			No
Short-circuit breaking capacity (I <sub>cw</sub> )		kA	10
Surge current capacity		kA	3
Frequency			60 Hz
Additional equipment possible			Yes

Degree of protection (IP)			IP20
Construction size (in accordance with DIN 43880)			1
Width in number of modular spacings			4
Built-in depth		mm	70.5
Short-time delayed tripping			Yes