

Technical specifications

		RCCBs		RCBO
Standards		IEC/EN 61008-1 (VDE 0664-10); IEC/EN 61008-2-1 (VDE 0664-11); VDE 0664-100; IEC/EN 61543 (VDE 0664-30); IEC 62423		IEC/EN 61009-1 (VDE 0664-20); IEC/EN 61009-2-1 (VDE 0664-21); VDE 0664-200; IEC/EN 61543 (VDE 0664-30); IEC 62423
Versions		1P+N	3P+N	4P
Tripping characteristic		--	--	C, D
Surge current withstand capability with current waveform 8/20 µs acc. to DIN VDE 0432-2				
• Super resistant	kA	> 3	> 3	> 3
• Selective	kA	--	> 5	> 5
Minimum operational voltage for test function operation	V AC	150	150	150
Rated voltages U_n	V AC	230	400	400, 480
Rated frequency	Hz	50 ... 60		
Rated currents I_n	A	16, 25, 40, 63	25, 40, 63, 80	100, 125
Rated residual currents $I_{\Delta n}$	mA	30, 300, 500		
Rated switching capacity				
• I_m	A	800		--
• I_{cn}	kA	--		10
Conductor cross-sections				
• Solid and stranded	mm ²	1.5 ... 25		6 ... 50
• Finely stranded, with end sleeve	mm ²	1.5 ... 16		6 ... 35
Terminal tightening torques for all devices	Nm	2.5 ... 3.0		3.0 ... 3.5
Mains connection		Either top or bottom		
Mounting position		Any		
Degree of protection acc. to EN 60529 (VDE 0470-1)		IP20		
Touch protection acc. to EN 50274 (VDE 0660-514)		Finger and back-of-hand safe		
Service life, electrical and mechanical; (test cycle according to regulations)		> 10000 switching cycles		
Storage temperature	°C	-40 ... +75		
Ambient temperature	°C	-25 ... +45,  marked with		
Resistance to climate according to IEC 60068-2-30		28 cycles (55 °C; 95 % rel. humidity)		
CFC and silicone-free		Yes		