



(Type A)

BETA Protecting Residual Current Protective Devices

RCBOs, type A

Technical specifications

			up to 40 A	125 A
Standards			IEC/EN 61009-1 (VDE 0664-10), IEC/EN 61009-2-1 (VDE 0664-11) IEC/EN 61543; VDE 0664-30	
Approved acc. to			IEC/EN 61009-1, IEC/EN 61009-2-1; EN 61009-1, EN 61009-2-1	
Rated voltages U_n	V AC		125 ... 230	400
Rated frequency f_n	Hz		50 ... 60	
Rated currents I_n	A		6, 8, 10, 13, 16, 20, 25, 32, 40	125
Rated residual currents $I_{\Delta n}$	mA		10, 30, 300	30, 300, 1000
Rated switching capacity	kA		6, 10	10
Energy limitation class			3	--
Surge current withstand capability with current waveform 8/20 μ s acc. to EN 60060-2				
• Instantaneous		kA	> 1	
• Super resistant		kA	> 3	--
• Selective		kA	> 5	
Terminal conductor cross-sections				
• Solid and stranded		mm ²	0.75 ... 35	6 ... 50
• Finely stranded with end sleeve		mm ²	0.75 ... 25	6 ... 35
Terminal tightening torque	Nm		2.5 ... 3.0	3.0 ... 3.5
Mains connection			Top or bottom	
Mounting position			Any	
Degree of protection	acc. to EN 60529 (VDE 0470-1)		IP20, with connected conductors	
Touch protection	acc. to EN 50274 (VDE 0660-514)		Finger and back-of-hand safe	
Service life	Test cycle acc. to IEC/EN 61009	Switching cycles	> 10000	
Storage temperature		°C	-40 ... +75	
Ambient temperature		°C	-25 ... +45, Marked with 	
Resistance to climate	acc. to IEC 60068-2-30		28 cycles (55 °C; 95 % rel. air humidity)	
CFC and silicone-free			Yes	