

Technical data

Rated insulation voltage U_e	690 V
Rated withstand impulse voltage U_{imp}	6 kV
Rated continuous current I_u	100 A
Rated operational current I_c	100 A
Conventional rated thermal current in the air I_{th}	100 A
Conventional rated thermal current in the enclosure I_{the}	100 A
Frequency	50/60 Hz
Rated operational current I_e for AC-21A, AC-22A	100 A (230/400/500/690 V)
Rated operational power P_e for AC-23A	18 kW (230 V) 31 kW (400 V) 38 kW (500 V) 50 kW (690 V)
Rated operational power P_e for AC-3	18 kW (230 V) 25 kW (400 V) 30 kW (500 V) 38 kW (690 V)
Switching angle	45°-90°
Short-time short-circuit withstand current $I_{cw}(1s)$	1.7 kA
Rated short-circuit making current I_{cm}	2.5 kA
Wire gauge	16...35 mm ² (solid) 16...25 mm ² (stranded)
Panel mounting	□68
Screws in the terminals	M6
Tightening torque, wires (hold down)	4.4 Nm
Mechanical endurance	3.0 mln (transposition cycles)
Ambient temperature	-40 ... +70°C (work) -40 ... +70°C (storage)
Protection level: PN-EN 60529 to the panel	IP65
Protection level of OB enclosure	IP65
Protection level of the terminals	IP20
Pollution degree EN 60947-1	3
Protection class in OB housing	II
Vibration test (acc. to IEC 60068-2-6)	2...100 Hz (frequency) 13.2 Hz (frequency) ± 1 mm (acceleration amplitude) ±0.7 g (acceleration amplitude)
Shock test (acc. to IEC 60068-2-27)	15 g (peak acceleration) 11 ms (impulse duration)
Damp heat cyclic test (acc. to IEC 60068-2-30)	55°C (ambient temperature) 95% (relative humidity)
Salt mist cyclic test (acc. to IEC 60068-2-52)	severity 1