

Technical data

S800PV-SP

S800PV-SP		
General Data		
Tripping characteristics		SP
Standards		IEC / EN 60947-2 and Annex P
Poles		2 ... 4
Rated frequency I_e	A	5 ... 125
Rated frequency f	Hz	-
Rated insulation voltage U_i acc. to IEC/EN 60664-1	V	DC 1500
Rated impulse withstand voltage U_{imp} (1.2/50µs)	kV	8
Overtoltage category		III
Pollution degree		2
Suitability for isolation		yes
Data acc. to IEC/EN 60947-2		
Rated operational voltage U_e	V	2-pole DC 800V: 5 ... 125 A 3-pole DC 1200V: 5 ... 125 A 4-pole DC 1500V: 5 ... 125 A
Min. operating voltage	V	-
Rated ultimate short-circuit capacity I_{cu}	kA	5 ... 16 A acc. IEC 60947-2 Annex P. $I_{cu} = 5$ kA 20 ... 125 A, acc. IEC 60947-2, $I_{cu} = 5$ kA 20 ... 125 A, acc. IEC 60947-2 Annex P. $I_{cu} = 3$ kA
Rated service short-circuit capacity I_{cs}	kA	$I_{cu} = I_{cs}$
Reference temperature for tripping characteristics	°C	40 °C
Electrical and Mechanical Endurance	ops.	acc. to Annex P: 5 ... 16 A: 300 electrical;9700 mechanical acc. to IEC 60947-2 (general part): 20 ... 100 A: 1500 electrical;8500 mechanical 125 A: 1000 electrical;9000 mechanical
Mechanical Data		
Housing		Material group I, RAL 7035
Toggle		black, lockable
Classification acc. to NF F 126-101, NF F 16-102		-
Protection degree acc. to EN 60529		IP20; IP40 (actuating end only)
Shock resistance acc. to IEC/EN 60068-2-30		IEC 61373 Cat. 1 Class B, 5g / 30ms acc. To IEC 60068-27 Test Ea
Vibration resistance acc. to IEC/EN 60068-2-6		IEC 60068-2-6 Test Fc; 2 - 13.2Hz/1mm 13.2 - 100Hz/0.7g with load 100% x I_e
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	°C/RH	12 + 12 cycle with 55°C/90 - 96% and 25°C/95 - 100%
Environmental conditions (dry heat) acc. to IEC/EN 60068-2-2 Test B	°C/RH	16 hours 55°C/2 hours 70°C with damp heat 55%
Ambient temperature	°C	-25 ... +60
Storage temperature	°C	-40 ... +70
Installation		
Terminal		Failsafe cage or ringlug terminal
Connections (top/bottom) - C_u only	mm ²	1 ... 50 stranded 1 ... 70 flexible
Tightening torque	Nm in-lbs.	3.5 31
Screwdriver		POZI 2
Mounting		any
Mounting position		any
Supply		any
Dimensions and weight		
Pole dimensions (H x L x W)	mm	95 x 26.5 x 82.5
Pole weight	g	240