

S1 Power-PCB-Relay 1-pole 13A



Technical data

Contact data		
Type of contact		Single contact
Pinning	mm	3,5 / 5,0
Configuration		1 CO / 1 NO
Rated voltage/max. breaking voltage	VAC	250 / 440
Rated current	A	13
Make current (max. 5s)	A	25
Rated breaking capacity (cos φ = 1)	VA / W	3300 / 250
Contact resistance	mΩ	≤ 50
Contact material		AgCdO / AgNi 0,15

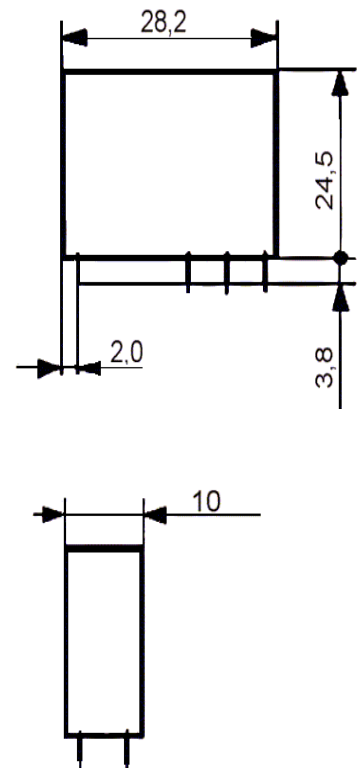


General data		
Mechanical life	>Operations	30 x 10 ⁶
Electrical life at rated voltage	>Operations	1 x 10 ⁵
Max. Switching rate at rated voltage	Operations / h	900
Operate time / Release time	Approx.ms	8 / 5
Dielectric strength contacts / coil	≥ VAC _{rms}	4000
Dielectric strength open contacts	≥ VAC _{rms}	1000
Clearance / creepage	mm	> 8 / 8
Insulation group		C / 250
Ambient temperature	°C	-40...+ 85
Position		Any
Solder bath temperature / -duration	°C / sec	260 / 10
approvals		VDE, UL, CSA, S, N, D, Fi

Coil data at + 20°C		
Nominal voltage	VDC	5...110
Nominal coil power	Approx. W	0,5
Operate power	Approx. W	0,16..0,26
Pull-in voltage	% of U _N	≤ 70
Drop-out voltage	% of U _N	≥ 10

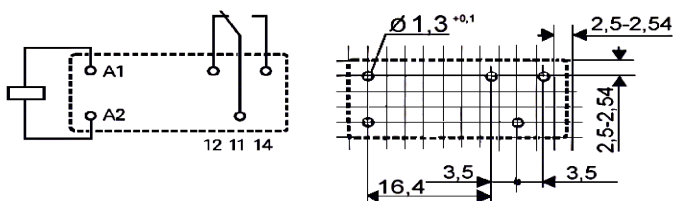
U _N (VDC)	R (Ohm)	U _{PI} (VDC)		U _{DO} (VDC)	I _N (mA)
		AK	UK		
5	50 ± 10 %	≤ 3,0	≤ 3,4	≥ 0,5	100,0
6	70 ± 10 %	≤ 3,4	≤ 3,9	≥ 0,6	85,7
12	250 ± 10 %	≤ 6,4	≤ 7,3	≥ 1,2	48,0
24	1.100 ± 10 %	≤ 13,1	≤ 15,4	≥ 2,4	21,8
36	2.500 ± 10 %	≤ 19,7	≤ 23,2	≥ 3,6	14,4
48	3.700 ± 15 %	≤ 27,8	≤ 31,1	≥ 4,8	13,0
60	6.000 ± 15 %	≤ 34,5	≤ 38,5	≥ 6,0	10,0
110	23.500 ± 15 %	≤ 77,0	≤ 77,0	≥ 11,0	4,7

Dimensions

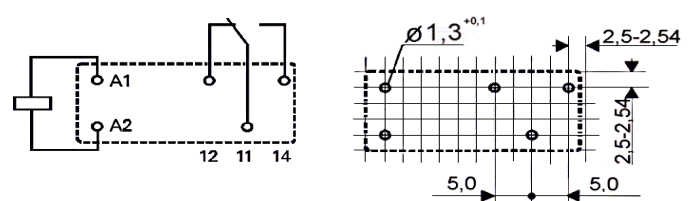


Wiring / PCB-layout

3,5 mm pinning



5,0 mm pinning



View on solder pins. Dimensions in mm.

S1 Power-PCB-Relay 1-pole 13A



Ordering key

1.	2.	3.	4.	5.	6.	7.	8.	9.
S1	0	0	1	B	6	2	4	R

Character 1	Type	S1 = Vertical
Character 2	Configuration	0 = Number of NO
till 4		0 = Number of NC
		1 = Number CO
		of
Character 5	Contact material	A = AgNi 0,15 hv
		B = AgCdO
		E = AgSnO
Character 6	Pinning	without = Pinning 3,5mm
		6 = Pinning 5,0 mm, 13A-version, single pinning
Character 7	Coil code	05 = 5 VDC
till 8		06 = 6 VDC
		12 = 12 VDC
		24 = 24 VDC
		36 = 36 VDC
		48 = 48 VDC
		60 = 60 VDC
		79 = 110 VDC
Character 9	Special version	R = Remanence with 1 winding

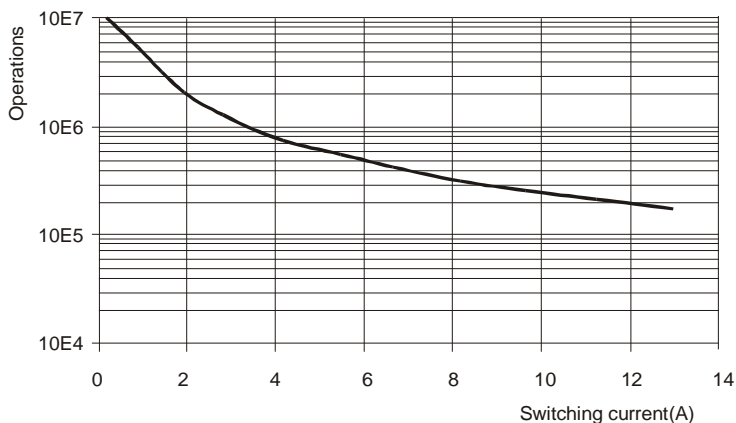
Bold-Standard types – further details on request

Ordering key, example: S1 001 B 24

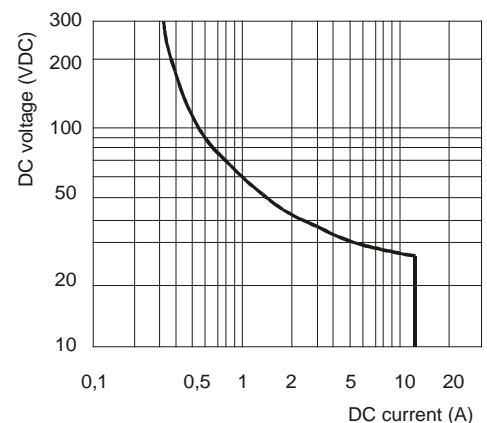
Power-PCB-Relay, Vertical, 1 CO, Pinning 3,5 mm, AgCdO, 24 VDC coil

Electrical Specifications

Electrical life AC 1



Max. DC load breaking capacity



SONG CHUAN EUROPE GmbH
 Im Petersfeld 6
 65624 Altendiez
 Tel. +49 (06432) 8006-0
 Fax +49 (06432) 8006-50

Our Produkt range

- PCB-Power-Relay
- Automobile Relays
- Industrial Relays
- Accessoires