

PCB-Relay SGR 02G

Miniature – PCB-Relay 1 pole 8A

ELESTA

Technical Data

Contact Data

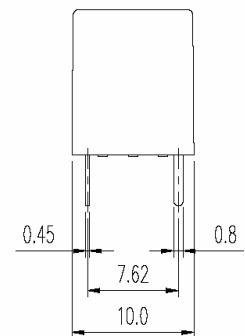
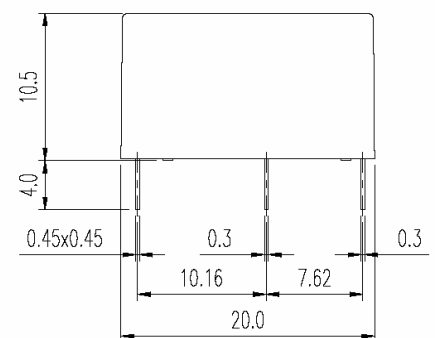
Type of Contact	Single Contact	
No. of Contacts	1A	
Max. Switching Voltage	VDC / VAC	30 / 440
Rated Current	A	8
Rated Breaking Capacity (cos φ = 1)	VA / W	1500 / 240
Contact Material	AgSnO	

General Data

Mechanical Life	> Operations	1 x 10 ⁷
Electrical Life at Rated Voltage	> Operations	1 x 10 ⁵
Max. Switching Frequency	Operations / h	900
Operate Time / Release Time	approx. in ms	8 / 4
Test Voltage Contact / Coil	≥ VAC _{eff}	4000
Test Voltage Contact Open	≥ VAC _{eff}	1000
Insulation IEC 60664	- Rated Voltage (VAC)	250
	- Degree of Pollutin	3
	- Excess Voltage Category	III
Insulation Group / Rated Voltage (VDE 0110b 2/79)	C / 250	
Ambient Temperature	°C	- 40...+ 85
Approvals	VDE, C-UL	
Weight	gr.	6



Dimension Diagram



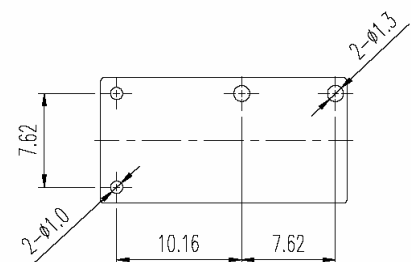
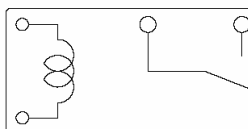
Coil at + 20°C

Rated Voltage	VDC	3...48
Power Consumption	approx. W	0,2
Max. Actuating Voltage	VDC	1,5 x U _N

U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I (mA)
3	45 ± 10%	≤ 2,25	≥ 0,15	66.7
5	125 ± 10%	≤ 3,75	≥ 0,25	40.0
6	180 ± 10%	≤ 4,50	≥ 0,30	33.3
9	405 ± 10%	≤ 6,75	≥ 0,45	22.2
12	720 ± 10%	≤ 9,00	≥ 0,60	16.7
24	2880 ± 10%	≤ 18,00	≥ 1,20	8.3
48	11520 ± 10%	≤ 36,00	≥ 2,40	4.2

Other coil tensions on request.

Schematic Diagram



View on circuit points. All measure in mm.

Order Type

