

PCB-Relay Miniature – Power - PCB-Relay
SGR 270 GL ... 1 pole 10A 3,5 mm

ELESTA

Technical Data

Contact Data

Type of Contact	Single Contact	
No. of Contacts	1C / 1A	
Rated Voltage / Max. Switching Voltage	VAC / VDC	250 / 125
Rated Current	A	10
Contact Material	AgSnO	

General Data

Mechanical Life	> Operations	1×10^7
Electrical Life at Rated Voltage	> Operations	1×10^5
Operate Time / Release Time	approx. in ms	15 / 8
Test Voltage Contact / Coil	$\geq VAC_{eff}$	5000
Test Voltage Contact Open	$\geq VAC_{eff}$	1000
Ambient Temperature	°C	-40...+70
Approvals	VDE**, UL, TÜV	
Weight	gr.	13

** in the pipeline

Coil at + 20°C

Rated Voltage	VDC	5...48
Power Consumption (DC - Coil)	approx. W	0,72 (0,54)
Max. Actuating Voltage	VDC	$1,3 \times U_N$

DC-Coil (0,72 W)

U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
5	$36 \pm 10\%$	≤ 4	$\geq 0,5$	138,0
6	$50 \pm 10\%$	$\leq 4,8$	$\geq 0,6$	120,0
9	$115 \pm 10\%$	$\leq 7,2$	$\geq 0,9$	78,0
12	$200 \pm 10\%$	$\leq 9,6$	$\geq 1,2$	60,0
24	$820 \pm 10\%$	$\leq 19,2$	$\geq 2,4$	29,0
48	$3300 \pm 10\%$	$\leq 38,4$	$\geq 4,8$	14,5

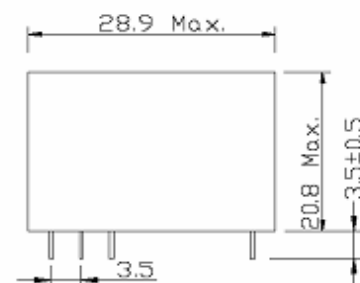
Sensitive DC-Coil (0,54 W)

U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
5	$47 \pm 10\%$	$\leq 4,0$	$\geq 0,5$	106
6	$68 \pm 10\%$	$\leq 4,8$	$\geq 0,6$	88
9	$155 \pm 10\%$	$\leq 7,2$	$\geq 0,9$	58
12	$270 \pm 10\%$	$\leq 9,6$	$\geq 1,2$	44
24	$1100 \pm 10\%$	$\leq 19,2$	$\geq 2,4$	22
48	$4400 \pm 10\%$	$\leq 38,4$	$\geq 4,8$	11

Other coil tensions on request.

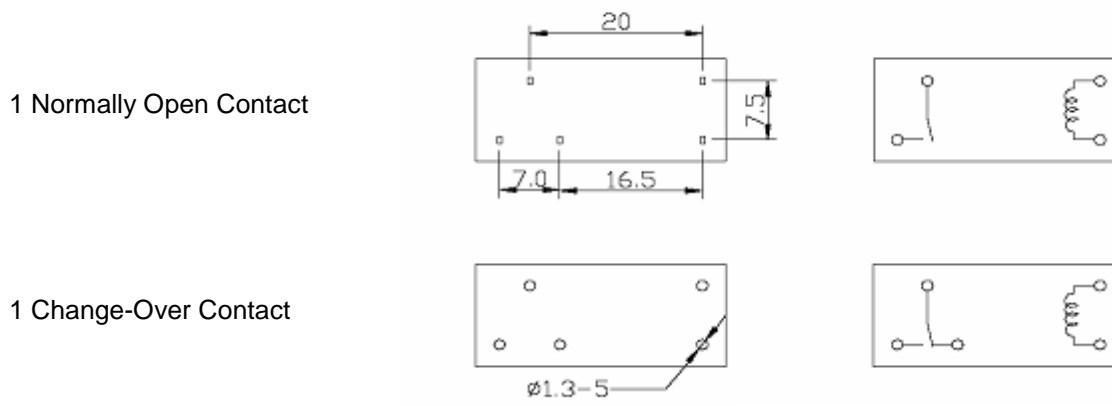


Dimension Diagram



Alle measure in mm.

Schematic Diagram



View on circuit points. All measure in mm.

Order Type

