

PCB-Relay Miniature - Power – PCB-Relay

SGR 280 GL ... 2 pole 5A 5,0 mm

ELESTA



Technical Data

Contact Data	
Type of Contact	Single Contact
No. of Contacts	2C / 2A
Rated Voltage / Max. Switching Voltage VAC / VDC	250 / 125
Rated Current A	5
Contact Material	AgSnO

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

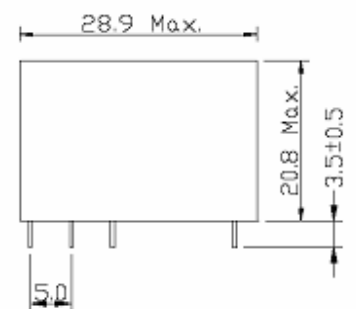
** in the pipeline

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 x U _N

DC-Coil (0,72 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
5	36 ± 10%	≤ 4,0	≥ 0,5	138,0
6	50 ± 10%	≤ 4,8	≥ 0,6	120,0
9	115 ± 10%	≤ 7,2	≥ 0,9	78,0
12	200 ± 10%	≤ 9,6	≥ 1,2	60,0
24	820 ± 10%	≤ 19,2	≥ 2,4	29,0
48	3300 ± 10%	≤ 38,4	≥ 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 ± 10%	≤ 4,0	≥ 0,5	106
6	68 ± 10%	≤ 4,8	≥ 0,6	88
9	155 ± 10%	≤ 7,2	≥ 0,9	58
12	270 ± 10%	≤ 9,6	≥ 1,2	44
24	1100 ± 10%	≤ 19,2	≥ 2,4	22
48	4400 ± 10%	≤ 38,4	≥ 4,8	11

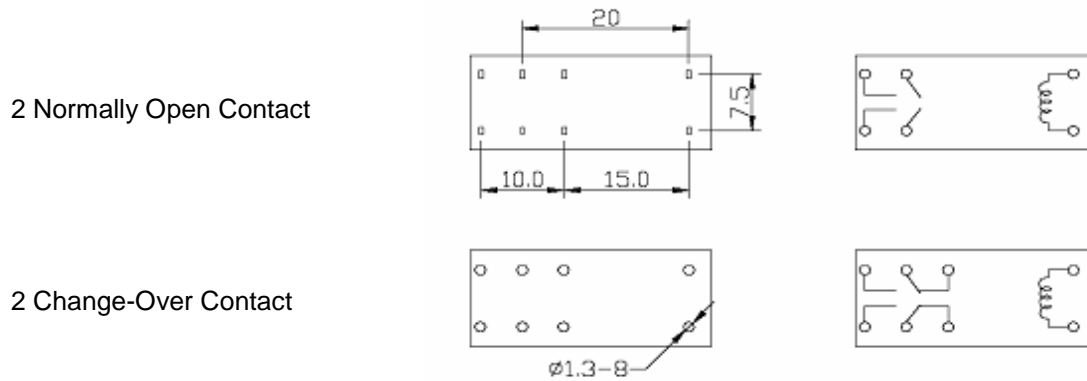
Dimension Diagram



All measure in mm.

Other coil tensions on request.

Schematic Diagram



View on circuit points. All measure in mm.

Order Type

	SGR 280 GL	012VDC	2A	V	ASO	1
Relay Type						
Coil Voltage	005VDC = 5VDC...048VDC = 48VDC					
Type of Contact	2A = 2 Normally Open Contact 2C = 2 Change-Over Contact					
Construction	V = Sealed (without = washproof) E = sensitive construction					
Contact Material	ASO = AgSnO²					
RoHS	1 = RoHS conform					