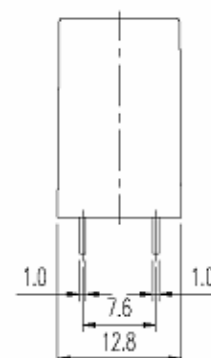
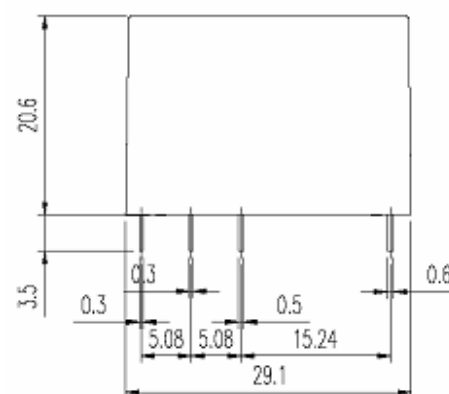


PCB-Relay Miniature – Power – PCB-Relay
SGR 280 G ... 2 pole 5A 5,0 mm

ELESTA



Dimension Diagram



All measure in mm.

Technical Data

Contact Data		
Type of Contact	Single Contact	
No. of Contacts	2C / 2A	
Rated Voltage / Max. Switching Voltage	VAC / VDC	240 / 110
Rated Current	A	5
Switching Load (Min.)	VDC / mA	10 / 10
Contact Material	AgCdO	

General Data		
Mechanical Life	> Operations	1 x 10 ⁷
Electrical Life at Rated Voltage	> Operations	1 x 10 ⁵
Max. Switching Frequency	Operations / h	1.800
Operate Time / Release Time	approx. in ms	15 (20)* / 8
Test Voltage Contact / Coil	≥ VAC _{eff}	5000
Test Voltage Contact Open	≥ VAC _{eff}	1000
Ambient Temperature	°C	-30...+55
Approvals	VDE, UL, TÜV	
Weight	gr.	13,8

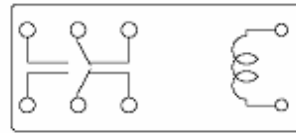
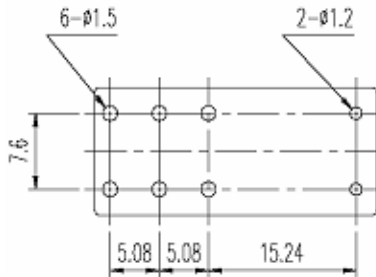
*sensitive coil

Coil at + 20°C		
Rated Voltage	VDC	3...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)
3	12,5 ± 10%	≤ 2,4	≥ 0,15	240,0
5	36,0 ± 10%	≤ 4,0	≥ 0,25	138,9
6	50,0 ± 10%	≤ 4,8	≥ 0,30	120,0
9	115,0 ± 10%	≤ 7,2	≥ 0,45	78,3
12	200,0 ± 10%	≤ 9,6	≥ 0,60	60,0
24	820,0 ± 10%	≤ 19,2	≥ 1,20	29,3
48	3300,0 ± 10%	≤ 38,4	≥ 2,40	14,5

Sensitive DC-Coil (0,54 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
3	17 ± 10%	≤ 2,4	≥ 0,15	176,5
5	50 ± 10%	≤ 4,0	≥ 0,25	106,4
6	68 ± 10%	≤ 4,8	≥ 0,30	88,0
9	155 ± 10%	≤ 7,2	≥ 0,45	58,0
12	270 ± 10%	≤ 9,6	≥ 0,60	44,4
24	1100 ± 10%	≤ 19,2	≥ 1,20	21,8
48	4400 ± 10%	≤ 38,4	≥ 2,40	10,9

Schematic Diagram



View on circuit points. All measure in mm.

Order Type

	SGR 280 G	012VDC	2A	V	ASO	1
Relay Type						
Coil Voltage	003VDC = 3VDC...048VDC = 48VDC					
Type of Contact	2A = 2 Normally Open Contact 2B = 2 Normally Closed Contact 2C = 2 Change-Over Contact					
Construction	V = Sealed (without = washproof) E = sensitive construction					
Contact Material	ACO = AgCdO					
RoHS	1 = RoHS conform					