

Special-Relay SGR 232 G ...

High Power-Relay 1 pole 30A / 2 pole 25A

ELESTA



Technical Data

Contact Data		
Type of Contact		Single Contact
No. of Contacts		1A / 2A
Max. Switching Voltage	VAC / VDC	277 / 28
Rated Current	A	30 (1pole) / 25 (2pole)
Rated Breaking Capacity(cos φ = 1)	VA	7000 (1pole) / 6250 (2pole)
Switching Load(Min.)	VDC / mA	10 / 10
Contact Material		AgNi, 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	1200
Operate Time / Release Time	approx. in ms	30 / 30
Test Voltage Contact / Coil	≥ VAC _{eff}	4000
Test Voltage Contact Open	≥ VAC _{eff}	2000
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	- 25...+ 70
Approvals		C-UL, TÜV
Weight	gr.	90

Coil at + 20°C		
Rated Voltage	VDC	6...110
Rated Voltage	VAC	12...240
Power Consumption (DC - Coil)	approx. W	1,9
Power Consumption (AC - Coil)	approx. VA	1,7 ~ 2,5
Max. Actuating Voltage	VDC	1,45 x U _N

DC-Coil(1,9 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
6	18,9 ± 10%	≤ 4,5	≥ 0,6	317,0
9	42,6 ± 10%	≤ 6,8	≥ 0,9	211,0
12	75,8 ± 10%	≤ 9,0	≥ 1,2	158,0
24	303 ± 10%	≤ 18	≥ 2,4	79,0
48	1.220 ± 10%	≤ 36	≥ 4,8	40,0
60	1.895 ± 10%	≤ 45	≥ 6,0	31,7
100	5.260 ± 10%	≤ 75	≥ 10,0	19,0
110	6.400 ± 10%	≤ 82,5	≥ 11,0	17,0

AC-Coil (1,7 ~ 2,5VA)			
U _N (V)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
12	≤ 9	≥ 1,2	142,0
24	≤ 18	≥ 2,4	71,0
48	≤ 36	≥ 4,8	34,0
100 ~ 120	≤ 75 ~ 90	≥ 10,0 ~ 12,0	17,0 ~ 20,4
200 ~ 240	≤ 150 ~ 180	≥ 20,0 ~ 24,0	8,5 ~ 10,2

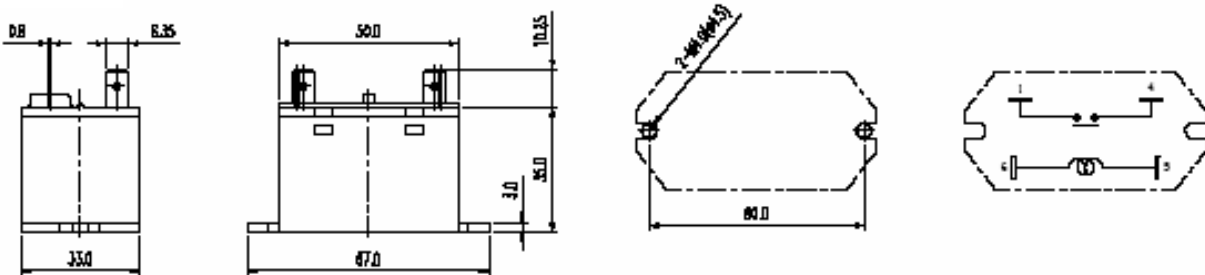
Other coil tensions on request.

Order Type

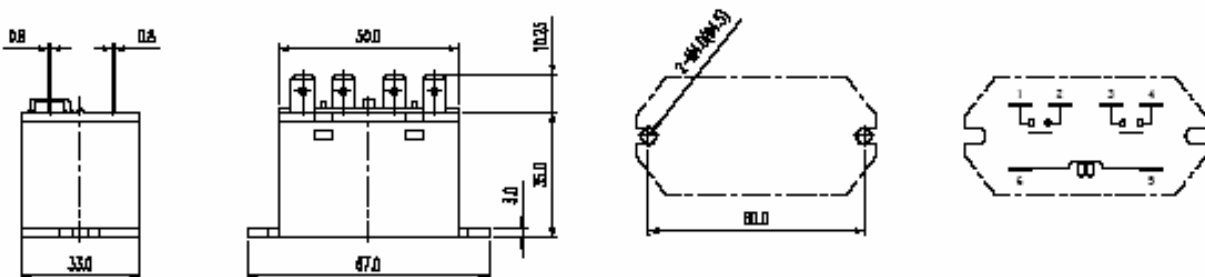
	SGR 232 G	024VDC	F	1A	S	ASO	1
Relay Type							
Coil Voltage							
003VDC = 3VDC...110VDC = 110VDC 012VAC= 12VAC... 240VAC = 240VAC							
Montage Type							
F = Flanged Case (2 x M4) P = printable							
Type of Contact							
1A = 1 Normally Open Contact 2A = 2 Change-Over Contact							
Construction							
S = Special Adjustment							
Contact Material							
ASO = AgSnO ACN = AgNi							
RoHS							
1 = RoHS conform							

Dimensions

1pole



2pole



All measure in mm.