

Industry-Relay SGR S36G

Miniature – Industry-Relay 2 pole / 4 pole 5A

ELESTA



Technical Data

Contact Data

Type of Contact	Single Contact	
No. of Contacts	2C / 4C	
Max. Switching Voltage	VAC / VDC	250 / 110
Rated Current	A	5
Rated Breaking Capacity (cos φ = 1)	VA	600
Switching Load (Min.)	VDC / mA	10 / 10
Contact Material	AgSnO	

General Data

Mechanical Life	> Operations	1×10^7
Electrical Life at Rated Voltage	> Operations	1×10^5
Max. Switching Frequency	Operations / h	1800
Operate Time / Release Time	approx. in ms	25 / 25
Test Voltage Contact / Coil	$\geq VAC_{eff}$	1500
Test Voltage Contact Open	$\geq VAC_{eff}$	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	- 25...+ 55
Approvals	C-UL	
Weight	gr.	32 / 35

Coil at + 20°C

Rated Voltage	VDC	6...110
Rated Voltage	VAC	6...240
Power Consumption (DC - Coil)	approx. W	0,9
Power Consumption (AC - Coil)	approx. VA	1,2

DC-Coil (0,9 W)

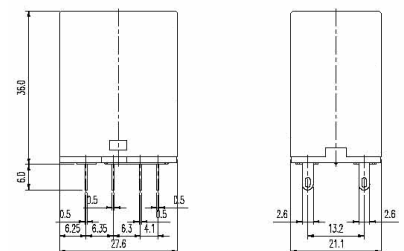
U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
6	$40 \pm 10\%$	$\leq 4,8$	$\geq 0,6$	150,0
12	$160 \pm 10\%$	$\leq 9,6$	$\geq 1,2$	75,0
24	$650 \pm 10\%$	$\leq 19,2$	$\geq 2,4$	36,9
48	$2.600 \pm 10\%$	$\leq 38,4$	$\geq 4,8$	18,5
60	$4.000 \pm 10\%$	$\leq 48,0$	$\geq 6,0$	15,0
110	$11.000 \pm 10\%$	$\leq 88,0$	$\geq 11,0$	10,0

AC-Coil (1,2 VA)

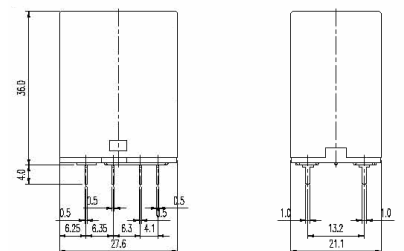
U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
6	$10 \pm 10\%$	$\leq 4,8$	$\geq 1,8$	282,7
12	$40 \pm 10\%$	$\leq 9,6$	$\geq 3,6$	106,2
24	$160 \pm 10\%$	$\leq 19,2$	$\geq 7,2$	52,8
48	$600 \pm 10\%$	$\leq 38,4$	$\geq 14,4$	23,7
110	$3.400 \pm 10\%$	$\leq 88,0$	$\geq 33,0$	12,5
120	$3.400 \pm 10\%$	$\leq 96,0$	$\geq 36,0$	16,8
220	$13.600 \pm 10\%$	$\leq 176,0$	$\geq 66,0$	6,2
230	$13.600 \pm 10\%$	$\leq 184,0$	$\geq 69,0$	7,0
240	$13.600 \pm 10\%$	$\leq 192,0$	$\geq 72,0$	7,2

Dimension Diagram

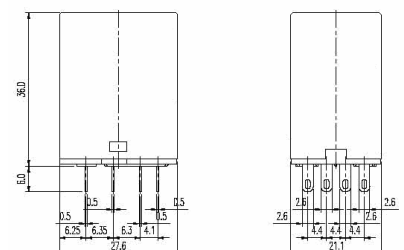
2pole / with soldering lugs / pluggable



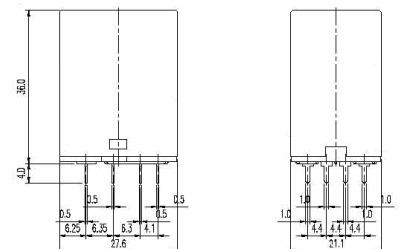
2pole / printable



4pole / with soldering lugs / pluggable



4polig / printable



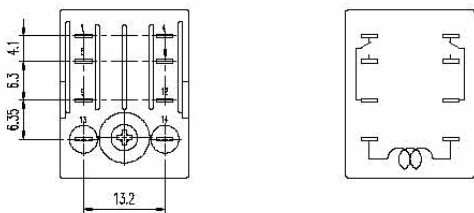
All measure in mm.

Order Type

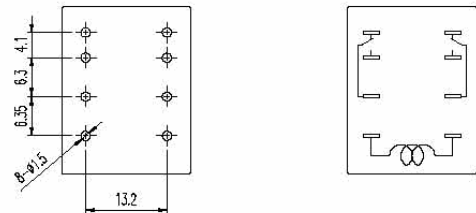
SGR S36G	012VDC	2C	L	ASO	1
Relay Type					
Coil Voltage 006VDC = 6VDC...110VDC = 110VDC 006VAC= 6VAC... 240VAC = 240VAC					
Type of Contact 2C = 2 Change-Over Contact 4C = 4 Change-Over Contact					
Construction L = LED P = printable (without = with soldering lugs / pluggable) F = Diode (+ on terminal 14)					
Contact Material ASO = AgSnO					
RoHS 1 = RoHS conform					

Schematic Diagram

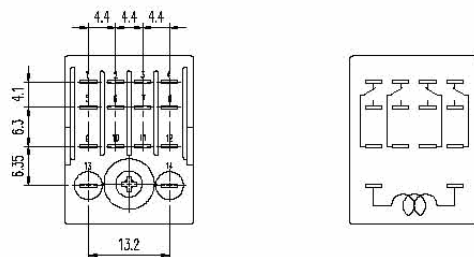
2pole / with soldering lugs / pluggable



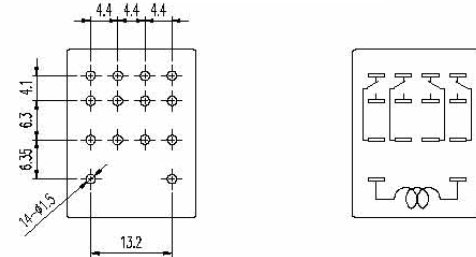
2pole / printable



4pole / with soldering lugs / pluggable



4pole / printable



View an circuit points. All measure in mm.