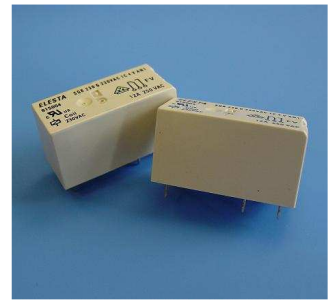
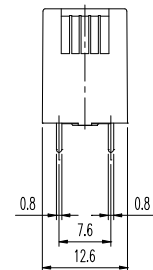
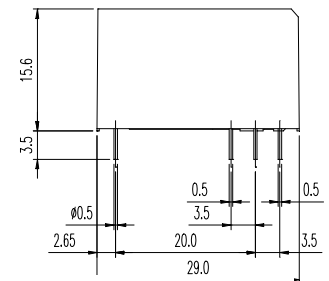


PCB-Relay Power – PCB-Relay
SGR 230G ... 4 1 pole 12A 3,5 mm

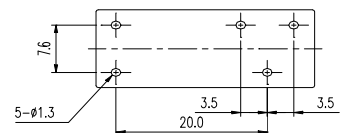
ELESTA



Dimension Diagram



Schematic Diagram



Viwe on circuit points. All measure in mm.

Technical Data

Contact Data		
Type of Contact		Single Contact
No. of Contacts		1C / 1A
Rated Volatge / Max. Switching Voltage	VAC	250
Rated Current	A	12
Rated Breaking Capacity (cos φ = 1)	VA	3.000
Switching Load(Min.)	VDC / mA	5 / 10
Contact Material		AgNi, AgNi + htv, AgSnO

General Data		
Mechanical Life	> Operations	10 x 10 ⁶
Electrical Life at Rated Voltage	> Operations	1 x 10 ⁵
Max. Switching Frequency	Operations / h	1.800
Operate Time / Release Time	approx. in ms	12 / 8
Test Voltage Contact / Coil	≥ VAC _{eff}	5.000
Test Voltage Contact Open	≥ VAC _{eff}	1.000
Creeping-/Leakage Distance	mm	> 10 / 10
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	- 40...+ 85
Approvals		VDE, C-UL, TÜV
Weight	gr.	15

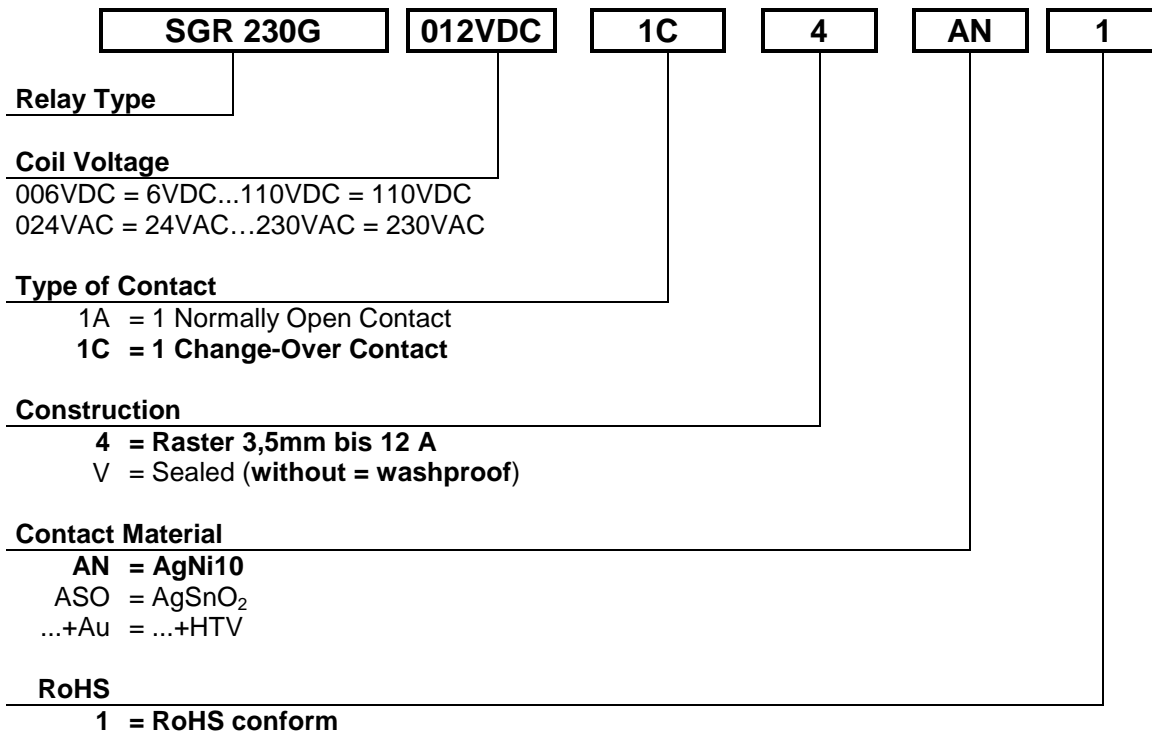
Coil at + 20°C		
Rated Voltage	VDC	6...110
Rated Voltage	VAC	24...230
Power Consumption (DC - Coil)	approx. W	0,4
Power Consumption (AC - Coil)	approx. VA	0,75
Max. Actuating Voltage (+85°C, 12A)	VDC	1,45 x U _N

DC - Coil (0,4 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
6	90 ± 10%	≤ 4,8	≥ 0,3	66,7
12	360 ± 10%	≤ 9,6	≥ 0,6	33,3
24	1.440 ± 10%	≤ 19,2	≥ 1,2	16,7
48	5.520 ± 10%	≤ 38,4	≥ 2,4	8,7
60	7.340 ± 10%	≤ 78,0	≥ 3,0	8,2
110	26.530 ± 10%	≤ 88,8	≥ 5,5	4,1

AC - Coil (0,75 VA)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
24	350 ± 10%	≤ 19,2	≥ 7,2	29,75
115	8.100 ± 10%	≤ 92,0	≥ 34,5	7,65
230	32.500 ± 10%	≤ 184,0	≥ 69,0	3,42

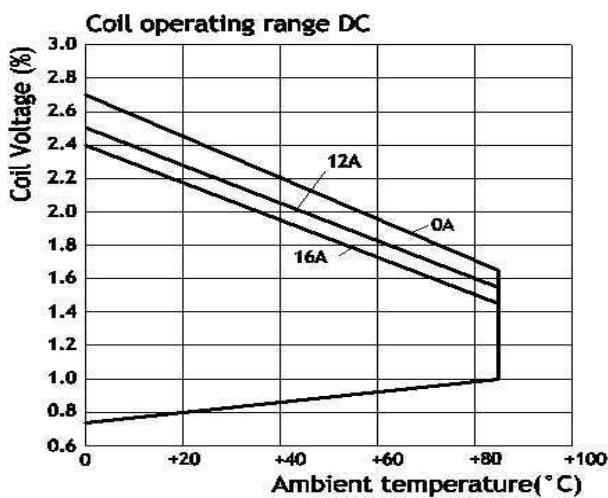
Other coil tensions on request.

Order Type



Electrical Specification

Operating Voltage Range DC



Direct Current - Burden Limit

