

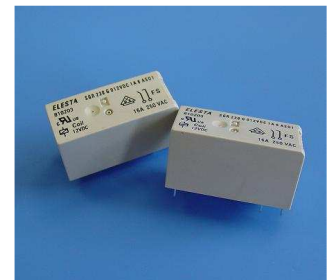
**PCB-Relay**  
**SGR 230G ... 6**

**Power – PCB-Relay**  
**1 pole 16A 5,0 mm**

**ELESTA**

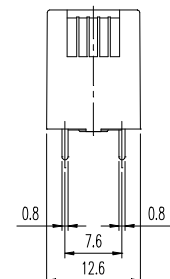
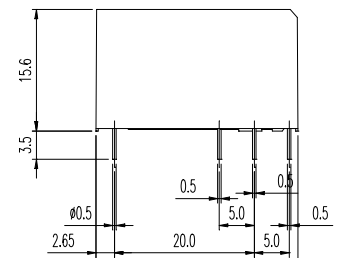
**Technical Data**

Contact Data		
Type of Contact		Single Contact
No. of Contacts		1C / 1A
Rated Voltage / Max. Switching Voltage	VAC	250
Rated Current	A	16
Rated Breaking Capacity (cos φ = 1)	VA	4.000
Switching Load (Min.)	VDC / mA	5 / 10
Contact Material		AgNi, AgNi + htv, AgSnO



General Data		
Mechanical Life	> Operations	10 x 10 <sup>6</sup>
Electrical Life at Rated Voltage	> Operations	1 x 10 <sup>5</sup>
Max. Switching Frequency	Operations / h	1.800
Operate Time / Release Time	approx. in ms	12 / 8
Test Voltage Contact / Coil	≥ VAC <sub>eff</sub>	5.000
Test Voltage Contact Open	≥ VAC <sub>eff</sub>	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

**Dimension Diagram**

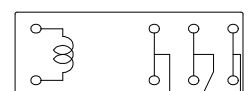
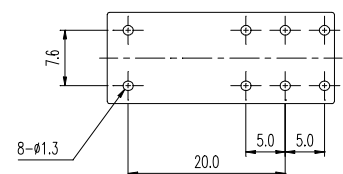


Coil at + 20°C		
Rated Voltage	VDC	6...110
Rated Voltage	VAC	24...230
Power Consumption (DC - Coil)	approx. W	0,4
Power Consumption (AC - Coil)	approx. VA	0,75
Max. Actuating Voltage (+20°C)	VDC	1,45 x U <sub>N</sub>

**Schematic Diagram**

DC - Coil (0,4 W)				
U <sub>N</sub> (V)	R (Ohm)	U <sub>AN</sub> (V)	U <sub>AB</sub> (V)	I <sub>N</sub> (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

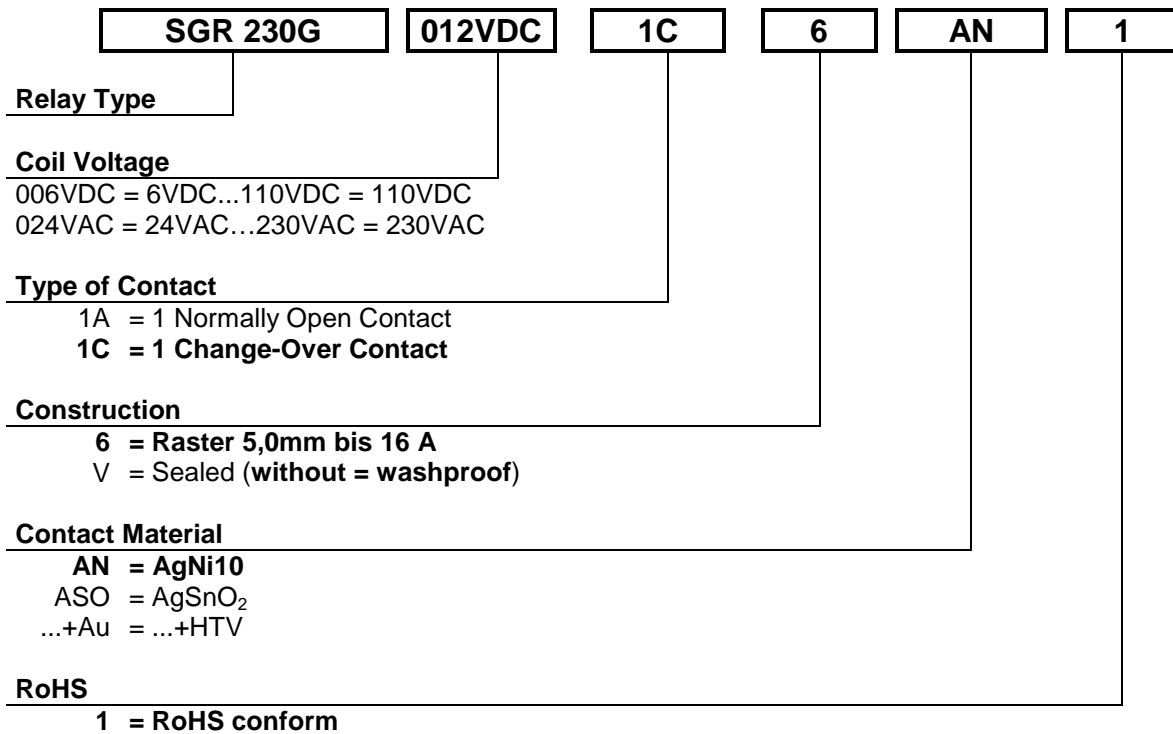
AC - Coil (0,75 VA)				
U <sub>N</sub> (V)	R (Ohm)	U <sub>AN</sub> (V)	U <sub>AB</sub> (V)	I <sub>N</sub> (mA)
24	350 ± 10%	≤ 19,2	≥ 7,2	29,75
115	8.100 ± 10%	≤ 92,0	≥ 34,5	7,65
230	32.500 ± 10%	≤ 184,0	≥ 69,0	3,42



View on circuit points. All measure in mm.

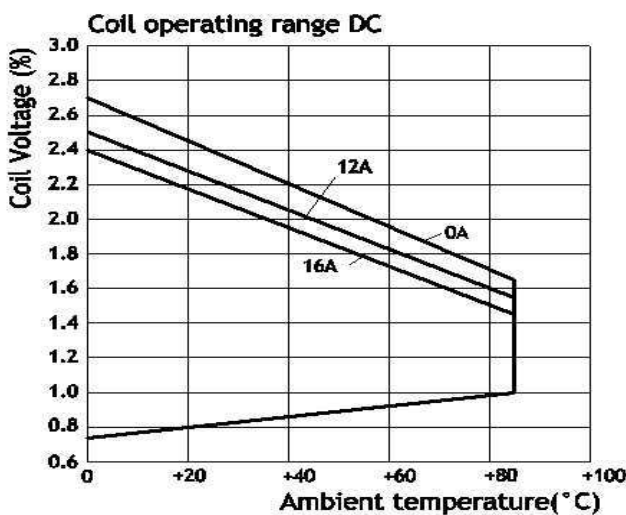
Other coil tensions on request.

**Order Type**



**Electrical Specification**

Operating Voltage Range DC



Direct Current - Burden Limit

