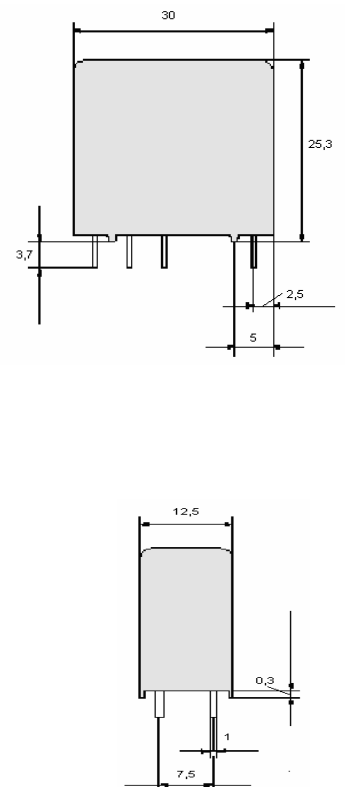


**Technical Data**



Contact Data		
Contact set		Single contact
Contact configuration		2C / 2 A / 2B
Rated voltage / max. switching voltage	VAC	250 / 440
Rated current	A	8
Inrush current	A	30
Rated breaking capacity (cos φ = 1)	VA	2000
Contact material		AgCuNi; AgSnO; AgCdO; +Au
Contact resistance	mΩ	50

**Dimensions (mm)**



General Data		
Mechanical life	> Operations	50 x 10 <sup>6</sup>
Electrical life at rated voltage	> Operations	1 x 10 <sup>5</sup>
Max. switching frequency	Operations / h	360
Operate time / release time	approx. in ms	8 / 3
Bounce time A / B	approx. in ms	0,5 / 5
Dielectric strength contact / coil	≥ VAC <sub>eff</sub>	5000
Dielectric strength contacts open	≥ VAC <sub>eff</sub>	1000
Dielectric strength adjacent contacts	≥ VAC <sub>eff</sub>	2500
Vibration resistance A / B (10-55Hz)		10g / 1,5g
Clearance/creepage	mm	>14
Insulation IEC 60664	- Rated voltage (VAC)	250
	- Degree of pollution	2
	- Overvoltage category	III
Insulation group / rated voltage (VDE 0110b 2/79)		C / 250
Ambient temperature range	°C	- 40...+ 75/+ 105
Resistance to soldering heat	°C / s	270 / 5
Approvals		VDE; UL; CUR
Weight	g	20

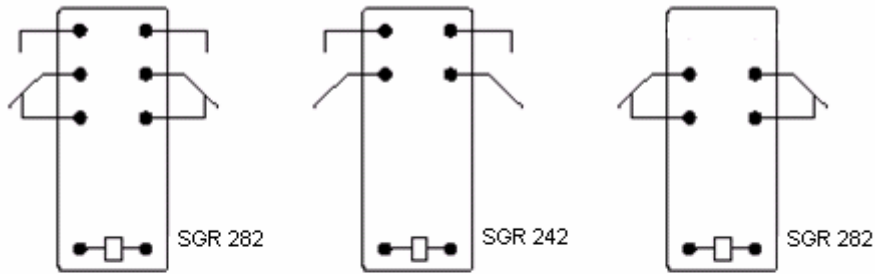
Coil at + 20°C		
Rated voltage	VDC	6...110
Rated coil power (DC - Coil)	approx. W	0,5

DC-Coil (0,5 W)				
U <sub>N</sub> (V)	R Ω (Ohm)	U <sub>AN</sub> (V)	U <sub>AB</sub> (V)	I <sub>N</sub> (mA)
6	70 ± 10%	≤ 4,5	≥ 0,3	85,70
12	270 ± 10%	≤ 9,0	≥ 0,6	44,40
24	1100 ± 10%	≤ 18,0	≥ 1,2	21,80
48	4400 ± 13%	≤ 36,0	≥ 2,4	10,90
60	6850 ± 15%	≤ 45,0	≥ 3,0	8,75
110	20000 ± 15%	≤ 82,5	≥ 5,5	5,50

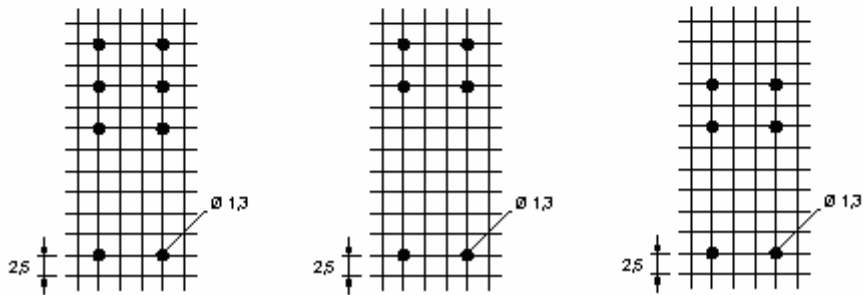
Other coil voltages on request.

**Schematic Diagram**

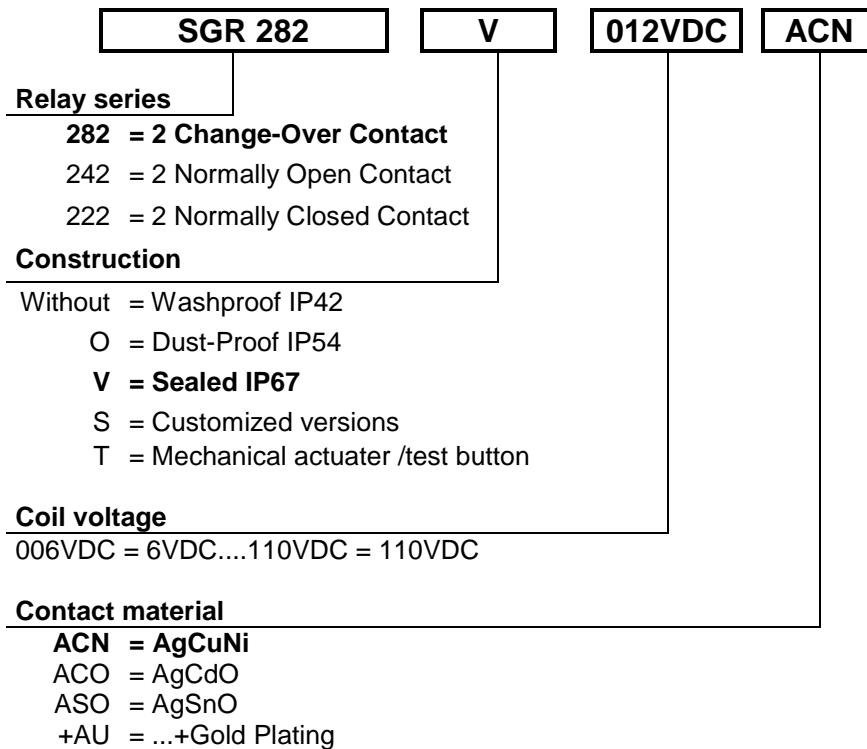
PCB layout / terminal assignment



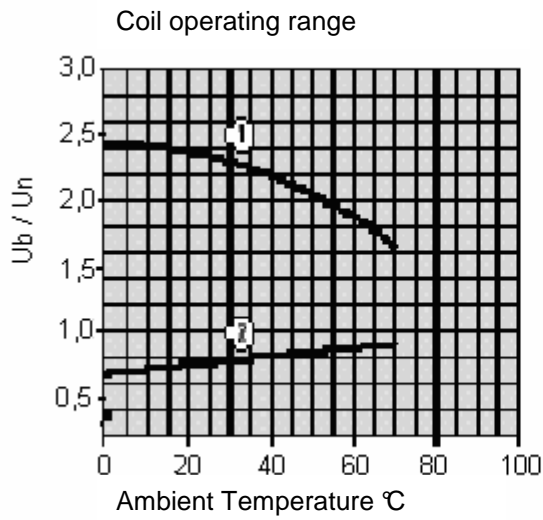
Bottom view on solder pins.



**Order Type**



**Electrical Specification**



- Single relay on PCB, no heat accumulation on PCB by self heating from other components.
- Continuous duty 100%

1) Max. energization voltage without contact load

2) Min. energization voltage (guaranteed values) without previous operation