

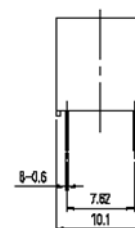
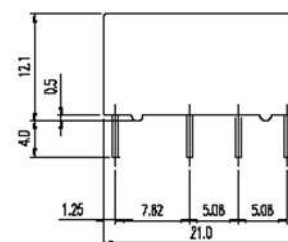
Signal-Relay SGR 54 G

2 pole 2A

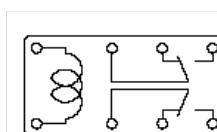
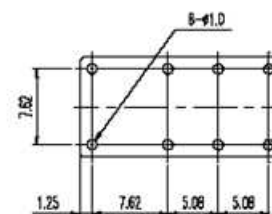
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Dimension Diagram



Schematic Diagram



View on circuit points. All measure in mm.

Technical Data

Contact Data

Type of Contact		Single Contact	
No. of Contacts		2C	
Rated Voltage / Max. Switching Voltage	VAC / VDC	120	24
Rated Current	A	1	2
Rated Breaking Capacity (cos φ = 1)	VA / W	120	48
Switching Load (Min.)	VDC / mA	1 / 1	
Contact Material		Ag + hv	

General Data

Mechanical Life	> Operations	1 x 10 ⁷
Electrical Life at Rated Voltage	> Operations	1 x 10 ⁵
Max. Switching Frequency	Operations / h	1800
Operate Time / Release Time	approx. in ms	6 / 4
Test Voltage Contact / Coil	≥ VAC _{eff}	1.000
Test Voltage Contact Open	≥ VAC _{eff}	500
Ambient Temperature	°C	-30...+80
Approvals		UL
Weight	gr.	4,8

Coil at + 20°C

Rated Voltage	VDC	3...48
Power Consumption (DC - Coil)	approx. W	0,36 / 0,2 / 0,15
Max. Actuating Voltage	VDC	1,5x UN

Standard Coil (0,36 W)

U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
3	25 ± 10%	≤ 2,25	≥ 0,3	120,0
5	70 ± 10%	≤ 3,75	≥ 0,5	71,4
6	100 ± 10%	≤ 4,50	≥ 0,6	60,0
9	225 ± 10%	≤ 6,75	≥ 0,9	40,0
12	400 ± 10%	≤ 9,00	≥ 1,2	30,0
24	1.600 ± 10%	≤ 18,0	≥ 2,4	15,0
48	6.400 ± 10%	≤ 36,0	≥ 4,8	0,75

ME = Sensitive Coil (0,2 W)

U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
3	45 ± 10%	≤ 2,25	≥ 0,3	66,7
5	125 ± 10%	≤ 3,75	≥ 0,5	40,0
6	180 ± 10%	≤ 4,50	≥ 0,6	33,3
9	405 ± 10%	≤ 6,75	≥ 0,9	22,5
12	720 ± 10%	≤ 9,00	≥ 1,2	16,7
24	2.880 ± 10%	≤ 18,0	≥ 2,4	8,3

Signal-Relay SGR 54 G

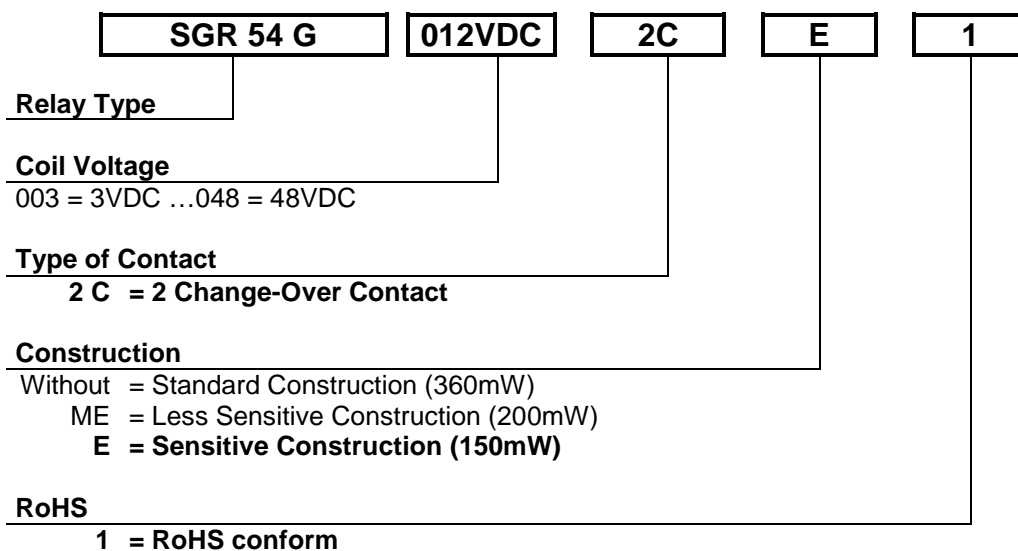
2 pole 2A

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E = High Sensitive Coil (0,15 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
3	60 ± 10%	≤ 2,4	≥ 0,3	50,0
5	167 ± 10%	≤ 4,0	≥ 0,5	30,0
6	240 ± 10%	≤ 4,8	≥ 0,6	25,0
9	540 ± 10%	≤ 7,2	≥ 0,9	16,7
12	960 ± 10%	≤ 9,6	≥ 1,2	12,5
24	3.840 ± 10%	≤ 19,2	≥ 2,4	6,25

Other coil tensions on request.

Order Type



Electrical Specification

