

Automotive-Relay SGR A03 ...

1 pole 40A

ELESTA



Technical Data

Contact Data

Type of Contact	Single Contact	
No. of Contact	1A / 1B / 1C	
Max. Switching Voltage	VAC / VDC	380 / 75
Rated Current	A	40
Rated Breaking Capacity	VA	2400
Contact Material	AgSnO ²	

General Data

Mechanical Life	> Operations	10 ⁷
Electrical Life at Rated Voltage	> Operations	10 ⁵
Operate Time / Release Time	approx. in ms	5 / 3
Test Voltage Contact / Coil	≥ VAC _{eff}	750
Test Voltage Contact Open	≥ VAC _{eff}	500
Shock Resistance	200m/s ² 11s	
Ambient Temperature	°C	-40...+85
Weight	gr.	18 - 23

Coil at + 20°C

Rated Voltage	VDC	6...24
Power Consumption (DC - Coil)	approx. W	1,6

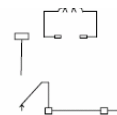
DC-Coil

U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
6	19 ± 10%	≤ 3,45	≥ 0,6	315
12	90 ± 10%	≤ 6,90	≥ 1,2	133
24	362 ± 10%	≤ 13,80	≥ 2,4	66

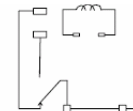
Other coil tensions on request.

Schematic Diagram

Normally Open Contact

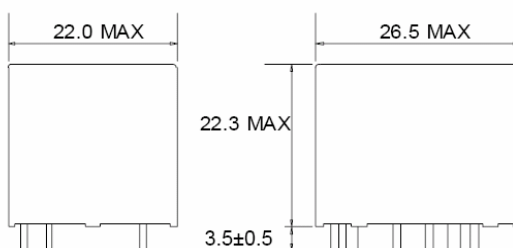


Change-Over Contact

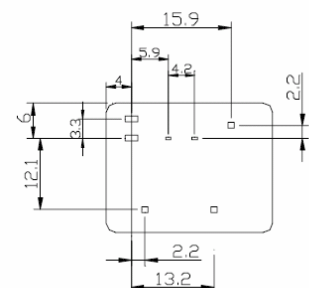
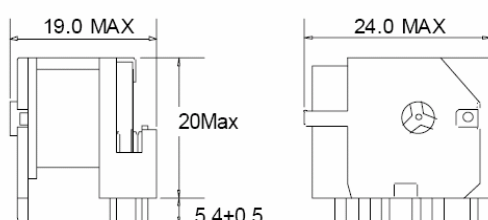


Dimension Diagram

Version with Cowling



Version without Cowling



View on circuit points.

Alle measure in mm.

Order Type

SGR A03	012VDC	1A	V	ASO	1
Relay Type					
Coil Voltage					
006VDC = 6VDC					
012VDC = 12VDC					
024VDC = 24VDC					
Type of Contact					
1A = 1 Normally Open Contact (40A/14VDC)					
1B = 1 Normally Closed Contact (30A/14VDC)					
1C = 1 Change-Over Contact (20A/120VAC, 15A/28VDC, 30A/14VDC)					
Construction					
Without = Washproof					
V = Sealed					
X = Without Cowling					
Contact Material					
ASO = AgSnO²					
RoHS					
1 = RoHS conform					