Automotive-Relay
SGR A01 H … 1 pole 80A

ELESTA

Technical Data

Contact Data		
Type of Contact		Single Contact
No. of Contacts		1C / 1A
Rated Current	A	80
Contact Material		AgSnO

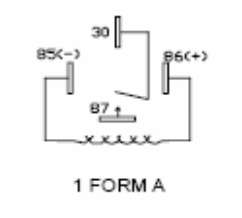
General Data		
Mechanical Life	> Operations	10^7
Electrical Life at Rated Voltage	> Operations	10^5
Max. Switching Frequency	Operations / h	1800
Operate Time / Release Time	approx. in ms	10 / 10
Insulationg Resistance	MOhm Min. /500VDC	100
Test Voltage Contact / Coil	≥ VAC / 60s	500
Shock Resistance	147m/s^2 11s	
Ambient Temperature	℃	-40 … +85
Weight	gr.	46

Coil at + 20℃		
Rated Voltage	VDC	12 … 24
Power Consumption (DC - Coil)	approx. W	1,8
Max. Actuating Voltage	VDC	1,5 x U_N

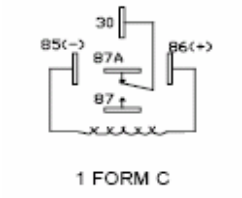
DC-Coil (1,8 W)				
U_N (V)	R (Ohm)	U_{AN} (V)	U_{AB} (V)	I_N (mA)
12	80 ± 10%	≤ 7,8	≥ 1,2	150
24	320 ± 10%	≤ 15,6	≥ 2,4	75

Other coil tensions on request.

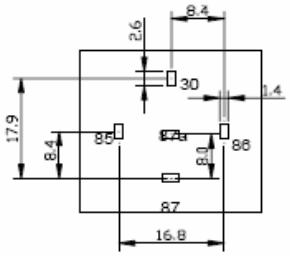
Schematic Diagram
(1 Normally Open Contact)



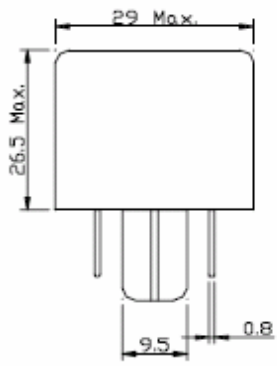
Schematic Diagram
(1 Change-Over Contact)

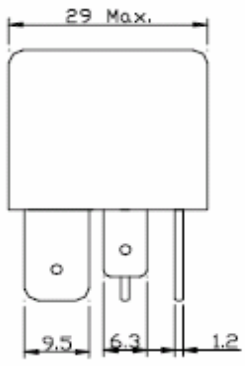


Circuit Points Diagram

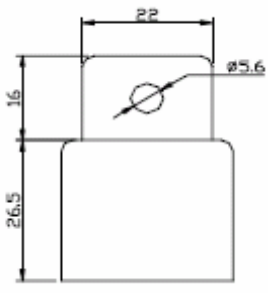


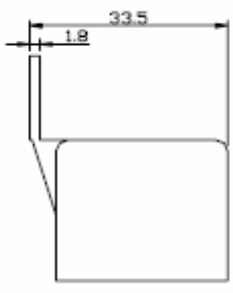
Design without Clamp





Design P





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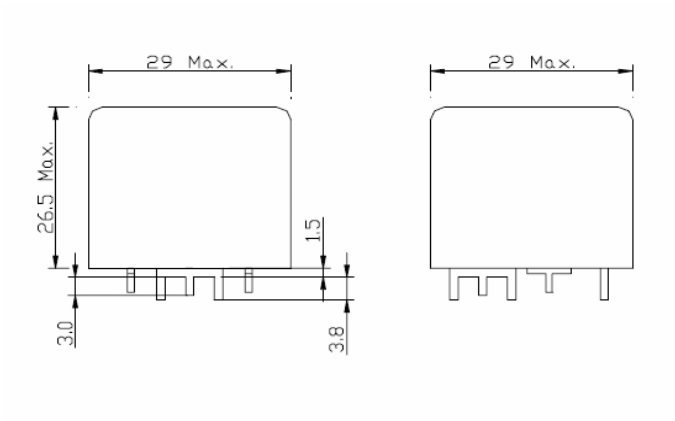
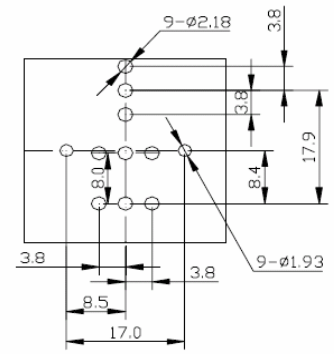
Design X





Order Type

SGR A01 H | **012VDC** | **P** | **1A** | **ASO** | **1**

Relay Type

Coil Voltage
012VDC = 12VDC…024VDC = 24VDC

Design
Without = Cowling without Clamp
P = Cowling with Plastics Clamp
M = Cowling with Metal Clamp
X = printable

Type of Contact
1A = 1 Normally Open Contact
1C = 1 Change-Over Contact

Contact Material
ASO = AgSnO

RoHS
1 = RoHS-conform