

RELAY SR 1 D

Series SR Relay 1 changeover contact 6/12/24/48 V DC

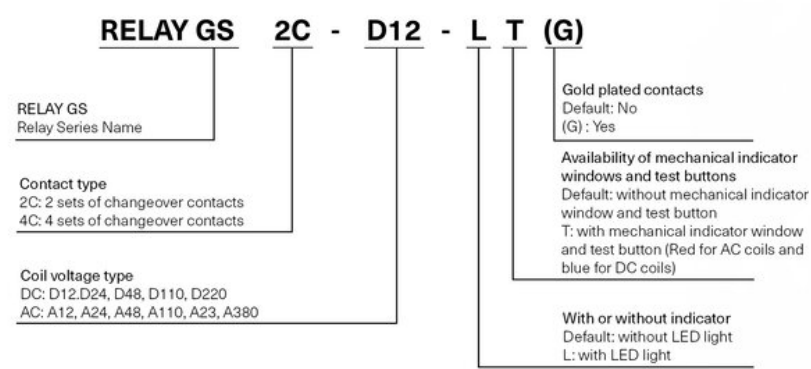


Industrial Relay with 1 changeover contact and insertion type

This slimline industrial relay from the SR series has a changeover contact and is therefore versatile for controlling multiple circuits. The variants are available in different voltages, which operate with a control voltage of 6/12/24/48/60 V DC and can handle a contact load of 6 A. The relay is compatible with the SR socket, which simplifies the wiring process. With a width of only 5 mm, the single relay is suitable for various mounting applications. It also complies with CE, RoHS and UL standards, ensuring safety and environmental compatibility in design and manufacture.

Available Variants:

Variant Name	SKU
RELAY SR 1C-D6	SA-SR1C-D6
RELAY SR 1C-D12	SA-SR1C-D12
RELAY SR 1C-D24	SA-SR1C-D24
RELAY SR 1C-D24(G)	SA-SR1C-D24-G
RELAY SR 1C-D48	SA-SR1C-D48



ORDER DETAILS

Function: 1 changeover contact, 6/12/24/48 V DC control voltage, 6 A contact load, 5 mm wide, CE, RoHS and UL compliant

SKU/Order No.: SA-SR1C-D...

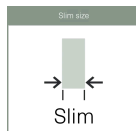


Features



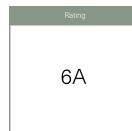
High insulation capability

High insulation capability of 5 kV surge voltage between input and output



Slim Relay Design

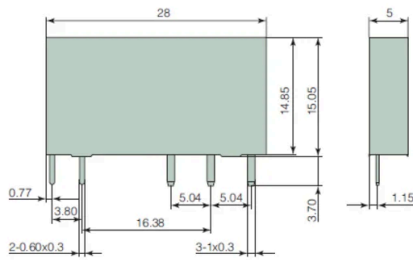
The relay is designed to be slim on the cabinet to take lesser space.



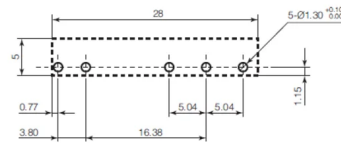
6 A switching capability

Contact rating 6 A

Mechanical Dimensions



Drawings



Technical Data

Contact Characteristics

Contact form	1 set of contacts
Maximum switching capacity	1500VA/180W
Rated resistive load	6A - 250VAC/30DC

Contact Data

Contact material	Silver alloy contacts
Contact resistance	$\leq 100\text{m}\Omega$ (1A 6VDC)
Electical endurance (number of operations)	NO- 3×10^4 cycles (room temperature 23°C, 1.5s on 1.5s off, resistive)/ NC- 1×10^4 cycles (room temperature 23°C, 1.5s on 1.5s off, resistive)
Mechanical endurance (number of operations)	1×10^7 cycles

Ambient Condition

Operating Humidity (non-condensing)	20% ~ 85% RH
Impact / Shock	Stable operation 100m/s ² / Damage limit 1000m/s ²
Vibration	10Hz ~ 55Hz, 1mm dual amplitude
Ambient Temperature (operating)	-40 °C ~85 °C

Certification

Certification	CE, UL, RoHS
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Mechanical Data

Weight (typ.)	App. 5g
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Dimensions

Width (mm)	6
Height (mm)	28

Depth (mm)	15.05
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Characteristics

Operate time (at rated voltage)	8ms max.
Release time (at rated voltage)	4ms max.
Insulation resistance	1000MΩ (500VDC)
Dielectric strength (between coil and contacts)	5000VAC 1min.
Dielectric strength (between open contacts)	1000VAC 1min.

Coil Data

Max. continuous voltage at 23 °C	120% Rated Voltage
Making voltage 23 °C	80% Rated voltage guaranteed making
Breaking voltage 23 °C	5% Rated voltage guaranteed breaking