

# RELAY SR 1 D

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

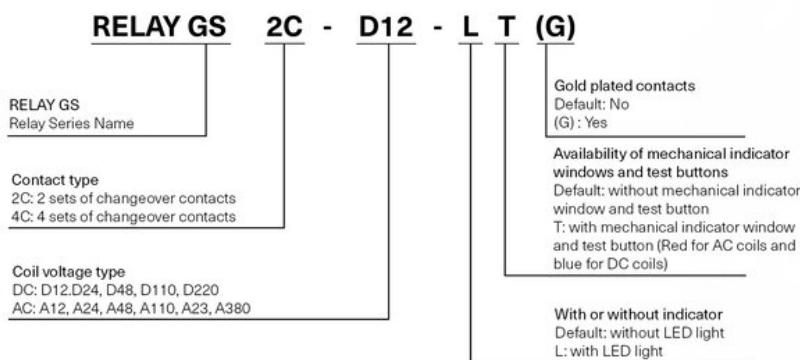


### Industrial Relay with 1 changeover contact and insertion type

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...

---

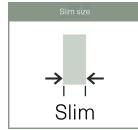


## Features



### High insulation capability

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



### Slim Relay Design

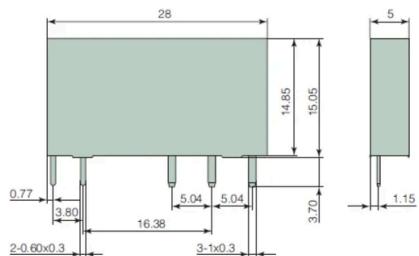
The relay is designed to be slim on the cabinet to take lesser space.



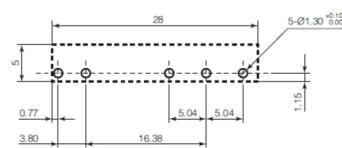
### 6 A switching capability

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)
Electrical endurance (number of operations)	NO- $3 \times 10^4$ cycles (room temperature 23°C, 1.5s on 1.5s off, resistive)/ NC- $1 \times 10^4$ cycles (room temperature 23°C, 1.5s on 1.5s off, resistive)
Mechanical endurance (number of operations)	$1 \times 10^7$ cycles

## Ambient Condition

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

## Certification

Certification	CE, UL, RoHS
---------------	--------------

## Mechanical Data

Weight (typ.)	App. 5g
---------------	---------

## Dimensions

Width (mm)	6
Height (mm)	28

Depth (mm)	15.05
------------	-------

**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