

# RELAY GS 4C-D24-LT-KIT

## Series GS Relay 4 changeover contacts 24 V DC



### Preassembled relay with 4 changeover contacts and socket with Push-in connection technology

The preassembled relay RELAY GS 4 DC KIT is a comprehensive solution featuring a plug-in industrial relay from the GS series with 24 V DC and four changeover contacts. Equipped with push-in connection terminals, the socket streamlines the wiring process, while the four changeover contacts offer versatility in controlling multiple electrical circuits. Operating with a 24 V DC control voltage, the relay can handle a 5 A contact load with ease.

For user convenience, the relay features an LED and mechanical indicator window, providing visual feedback on its status, along with a test button for manual testing. With a width of 30.5 mm, the kit is suitable for various mounting applications. Furthermore, the RELAY GS 4 DC KIT complies with CE and RoHS standards, ensuring the highest levels of safety and environmental adherence in its design and manufacturing.

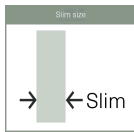
### ORDER DETAILS

**Function:** 4 changeover contacts, control voltage: 24 V DC, contact load: 5 A, LED, mechanical indicator window, test button, push-in wiring, 30.5 mm wide, CE and RoHS compliant

**SKU/Order No.:** SA-GS4C-D24-T-PM

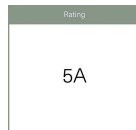


# Features



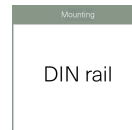
## Slim Design

Takes lesser space as the socket is slim designed.



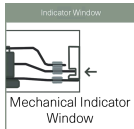
## 5 A switching capability

Contact rating 5 A



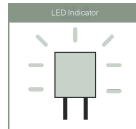
## DIN rail mounting

The socket can be mounted on a DIN rail.



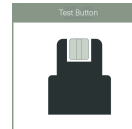
## Mechanical Indicator Window

Relay has a mechanical indicator window where the physical movement of the contacts can be observed in real time.



## LED Indicator

Relay comes with an LED indicator that indicates the ON status of the relay.



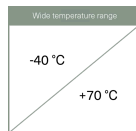
## Test Button

Relay has a test button which comes with a temporary position holder.



## High insulation capability

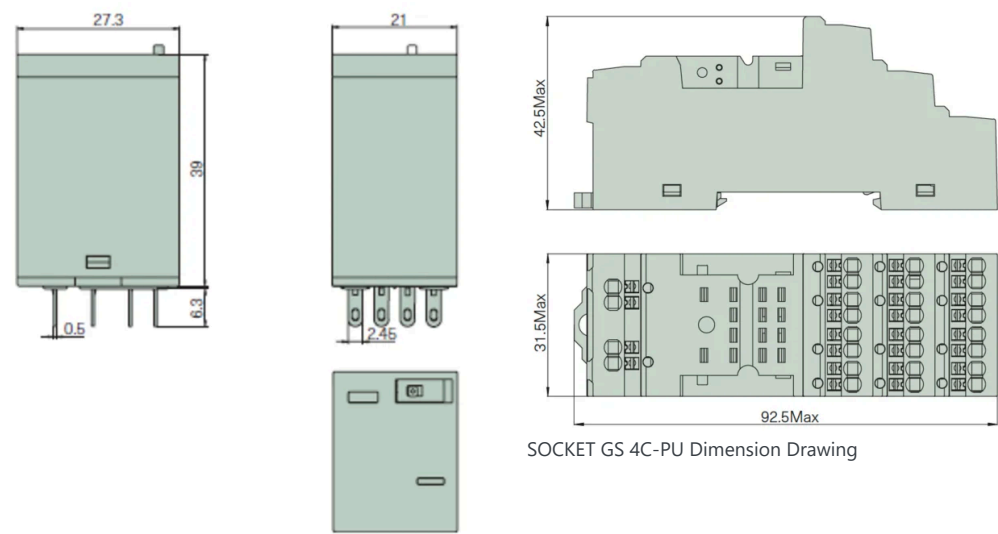
High insulation capability of 5 kV surge voltage between input and output



## Wide Operating Temperature

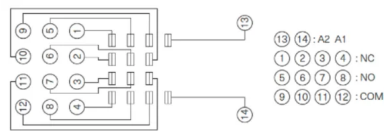
Relay's housing featuring wide operating temperature range designed for harsh environments.

# Mechanical Dimensions



SOCKET GS 4C-PU Dimension Drawing

# Drawings



SOCKET GS 4C-PU Wiring Diagram

## Technical Data

### Contact Characteristics

Contact form	4 changeover contacts
Maximum switching capacity	1250 VA / 150 W
Rated resistive load	5 A - 30 V DC

### Contact Data

Contact material	Silver alloy / gold plated contacts
Contact resistance	$\leq 100 \text{ m}\Omega$ (1 A 6 V DC)
Electical endurance (number of operations)	2 x 10 <sup>5</sup> cycles (room temperature 23 °C, 2s on 1s off, resistive) / 1 x 10 <sup>5</sup> cycles (high temperature 55 °C, 1s on 1s off, resistive)
Mechanical endurance (number of operations)	1x 10 <sup>7</sup> cycles

### Ambient Condition

Operating Humidity (non-condensing)	30 % ~ 85 % RH
Impact / Shock	Stable operation 98 m/s <sup>2</sup> / Damage limit 980 m/s <sup>2</sup>
Vibration	10 Hz ~ 55 Hz, 1 mm dual amplitude
Ambient Temperature (operating)	-40 °C ~ 70 °C

### Certification

Certification	CE, RoHS
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### Mechanical Data

Weight (typ.)	App. 35 g + 71.5 g
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### Dimensions

Width (mm)	26.5
Height (mm)	92.5

Characteristics

Operate time (at rated voltage)	20 ms max.
Release time (at rated voltage)	20 ms max.
Insulation resistance	1000 MΩ ( 500 V DC)
Dielectric strength (between coil and contacts)	1500 V AC 1 min.
Dielectric strength (between contact sets)	1000 V AC 1 min.
Dielectric strength (between open contacts)	1000 V AC 1 min.

Interface

LED indicator	Yes
Mechanical indicator	Yes
Test button	Yes

Coil Data

Socket coil resistance at 23 °C	630 Ω ±10 % at 23 °C
Max. continuous voltage at 23 °C	110 % Rated Voltage
Making voltage 23 °C	75 % Rated voltage guaranteed making
Breaking voltage 23 °C	10 % Rated voltage guaranteed breaking
Rated power	App. 0.9 W

Socket Contact Characteristics

Rated Voltage	300 V
Rated Current	10 A
External connection wire	20~16 AWG / 0.5 ~ 1.5 mm^2
Dielectric withstand voltage (Intercontact)	2500 V/S
Dielectric withstand voltage (coil-contact)	4000 V/S