

# RELAY GS 4C-A230-LT-KIT

Series GS Relay 4 changeover contacts 230 V AC



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

The preassembled relay RELAY GS 4 AC KIT is a combination of a plug-in industrial relay from the GS series with 230 V AC with four changeover contacts and a socket. The socket has push-in connection terminals that simplify the wiring process. The four changeover contacts make it versatile for controlling multiple electrical circuits. The relay operates with a 230 V AC control voltage and is capable of handling a 5 A contact load. The inclusion of an LED and mechanical indicator window offers visual feedback on the relay's status, while a test button enables manual testing. The kit is 30.5 mm wide and suitable for various mounting applications. Additionally, it complies with CE and RoHS standards, ensuring highest safety and environmental adherence in its design and manufacturing.

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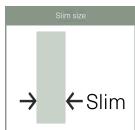
ORDER DETAILS

**Function:** 4 changeover contacts, control voltage: 230 V AC, 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-A230-T-PM



## Features



### Slim Design

Takes lesser space as the socket is slim designed.



### 5 A switching capability

Contact rating 5 A



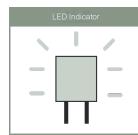
### DIN rail mounting

The socket can be mounted on a DIN rail.



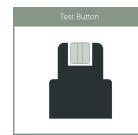
### Mechanical Indicator Window

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.



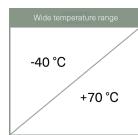
### Test Button

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



### High insulation capability

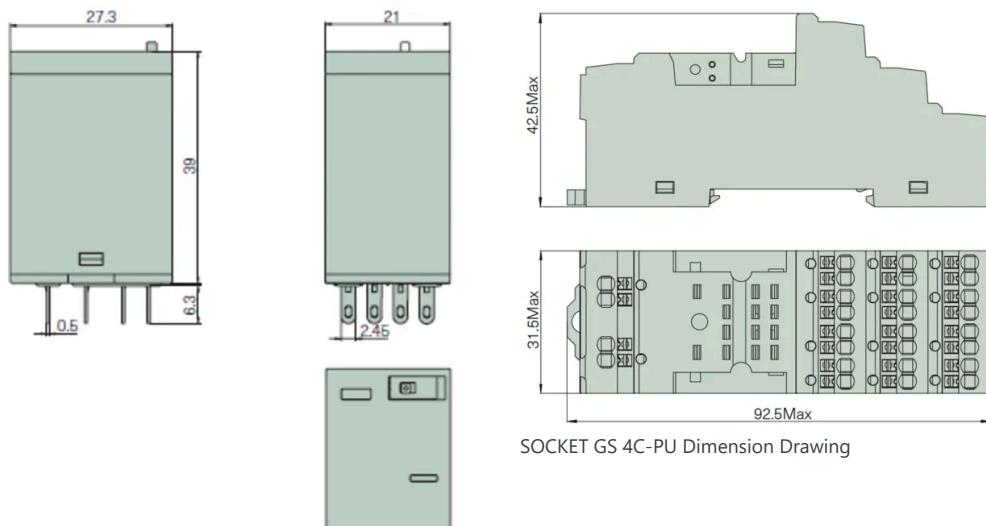
High insulation capability of 5 kV surge voltage between input and output



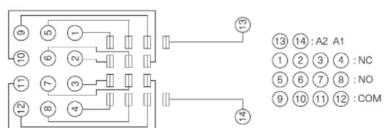
### Wide Operating Temperature

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

## Mechanical Dimensions



## 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 - 250 V AC

## Contact Data

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

## Ambient Condition

Operating Humidity (non-condensing)	30 % ... 85 % RH
Impact / Shock	Stable operation 98m/s <sup>2</sup> / Damage limit 980m/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 VDC)
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	18,021 Ω ±10 % at 23 °C
Max. continuous voltage at 23 °C	110 % Rated Voltage
Making voltage 23 °C	80 % Rated voltage guaranteed making
Breaking voltage 23 °C	30 % Rated voltage guaranteed breaking
Rated power	App. 0.94 VA

## Socket Contact Characteristics

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