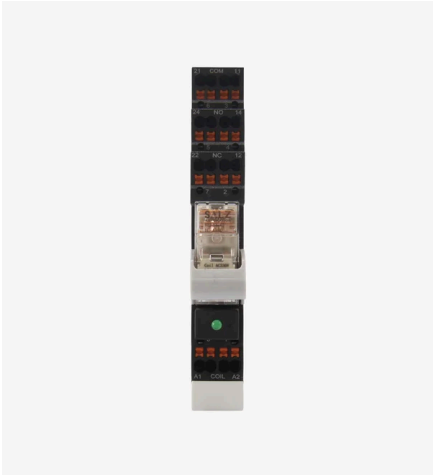
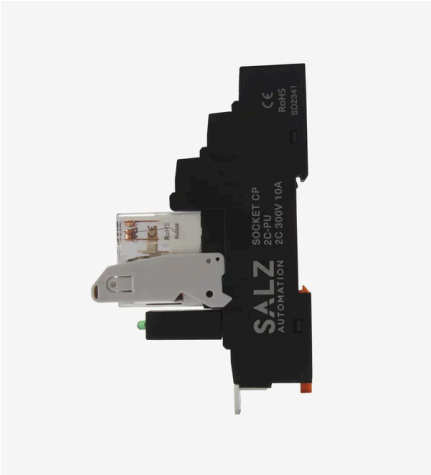


# RELAY CP 2C-DC-KIT

Series CP relay 2 changeover contacts 12/24/48/110 V DC with Push-in connection



## Preassembled relay with 2 changeover contacts and socket with Push-in connection technology

The preassembled CP series relay kit is a compact combination of a plug-in industrial relay with 12/24/48/110 V DC with two changeover contacts and a socket. The socket has Push-in connection terminals that simplify the wiring process. The kit is 16.5 mm wide and suitable for various mounting applications. The two changeover contacts enable versatile control of multiple circuits. The variants are available in different voltages, operating with a control voltage of 12/24/48/110 V DC and can handle a contact load of 10 A. It also complies with CE, UL and RoHS standards, ensuring maximum safety and environmental compatibility in design and manufacture.

### Available Variants:

Variant Name	SKU
RELAY CP 2C-D12-KIT	SA-CP2C-D12-PM
RELAY CP 2C-D24-KIT	SA-CP2C-D24-PM
RELAY CP 2C-D24(G)-KIT	SA-CP2C-D24-G-PM
RELAY CP 2C-D48-KIT	SA-CP2C-D48-PM
RELAY CP 2C-D110-KIT	SA-CP2C-D110-PM

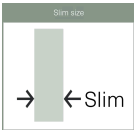
RELAY GS 2C - D12 - L T (G)				
RELAY GS Relay Series Name				Gold plated contacts Default: No (G) : Yes
Contact type 2C: 2 sets of changeover contacts 4C: 4 sets of changeover contacts				Availability of mechanical indicator windows and test buttons Default: without mechanical indicator window and test button T: with mechanical indicator window and test button (Red for AC coils and blue for DC coils)
Coil voltage type DC: D12,D24, D48, D110, D220 AC: A12, A24, A48, A110, A23, A380				With or without indicator Default: without LED light L: with LED light

ORDER DETAILS

**Function:** 2 changeover contacts, control voltage: 12/24/48/110 V DC variants, contact load: 10 A, Push-in wiring, 16.5 mm wide, CE, UL, and RoHS compliant  
**SKU/Order No.:** SA-CP2C-D....-PM



# Features



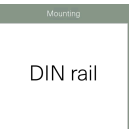
## Slim Design

Takes lesser space as the socket is slim desinged.



## 10 A switching capability

Contact rating 10 A



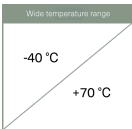
## DIN rail mounting

The socket can be mounted on a DIN rail.



## High insulation capability

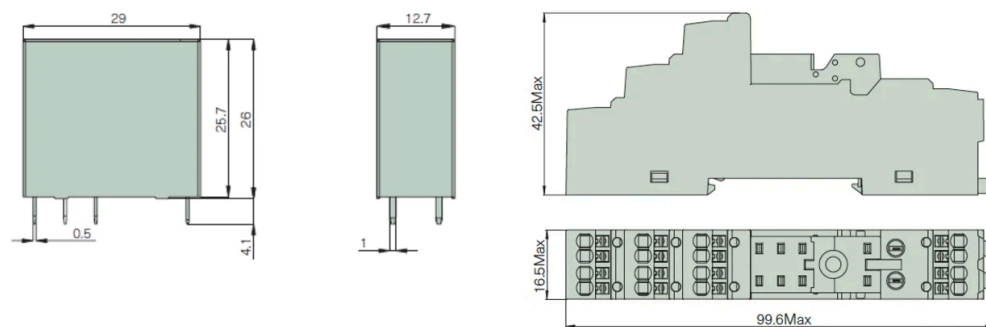
High insulation capability of 5 kV surge voltage between input and output



## Wide Operating Temperature

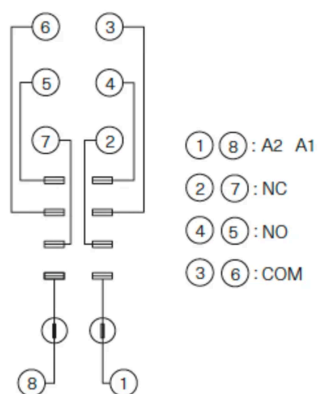
Relay's housing featuring wide operating temperature range designed for harsh environments.

## Mechanical Dimensions



SOCKET CP 2C-PU Dimension drawing

## Drawings



SOCKET CP 2C-PU Wiring Diagram

# Technical Data

## Contact Characteristics

Contact form	2 changeover contacts
Maximum switching capacity	2500 VA / 300 W
Rated resistive load	10A - 30 V DC

## Contact Data

Contact material	Silver alloy / gold plated contacts
Contact resistance	≤100 mΩ (1 A 6 V DC)
Electical endurance (number of operations)	3 x 10 <sup>4</sup> cycles (room temperature 23 °C, 1.5 s on 1.5 s off, resistive) /NO - 1 x 10 <sup>5</sup> cycles (room temperature 23 °C, 1.5 s on 1.5 s off, resistive)/ NC - 5 x 10 <sup>4</sup> cycles (room temperature 23 °C, 1.5 s on 1.5 s 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/s2 / Damage limit 980 m/s2
Vibration	10 Hz ~ 55 Hz, 1 mm dual amplitude
Ambient Temperature (operating)	-40 °C ~70 °C

## Certification

Certification	CE, UL, RoHS
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## Mechanical Data

Weight (typ.)	App. 20 g + 41.5 g
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## Dimensions

Width (mm)	16.5
Height (mm)	42.5

**Characteristics**

Operate time (at rated voltage)	20 ms max.
Release time (at rated voltage)	20 ms max.
Insulation resistance	1000 M $\Omega$ ( 500VDC)
Dielectric strength (between coil and contacts)	5000 V AC 1 min.
Dielectric strength (between contact sets)	3000 V AC 1 min.
Dielectric strength (between open contacts)	1000 V AC 1 min.

**Interface**

LED indicator	Yes
Mechanical indicator	No
Test button	No

**Coil Data**

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. 0.53 W
Socket coil resistance at 23 °C	1100 $\Omega$ $\pm$ 10 % at 23 °C

**Socket Contact Characteristics**

Rated Current	16 A
Rated Voltage	300 V
Dielectric withstand voltage (coil-contact)	4000 V/S
Dielectric withstand voltage (Intercontact)	2500 V/S
External connection wire	20~14 AWG / 0.5 ~ 2.5 mm <sup>2</sup>