

RELAY CP 2C-DC-KIT

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

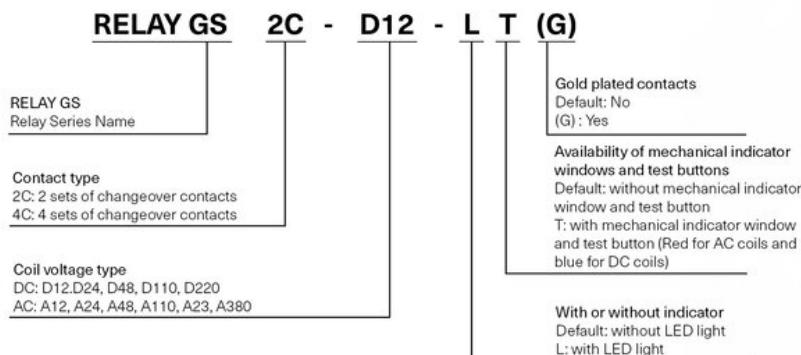


Preassembled relay with 2 changeover contacts and socket with Push-in connection technology

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



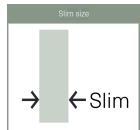
ORDER DETAILS

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

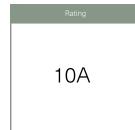


Features



Slim Design

Takes lesser space as the socket is slim designed.



10 A switching capability

Contact rating 10 A



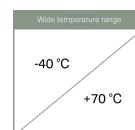
DIN rail mounting

The socket can be mounted on a DIN rail.



High insulation capability

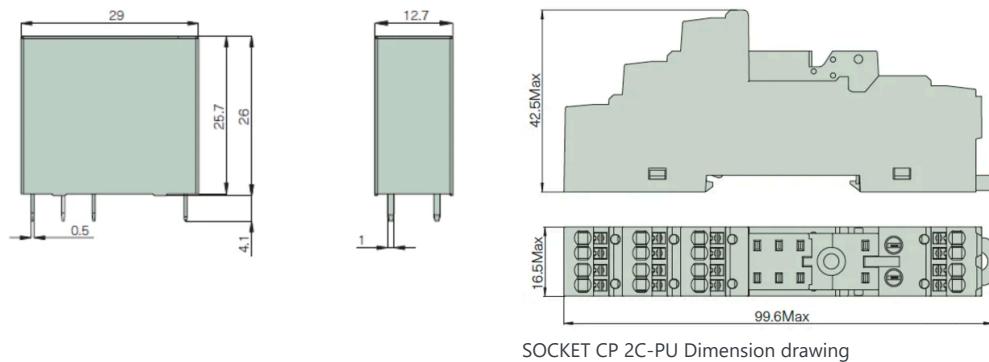
High insulation capability of 5 kV surge voltage between input and output



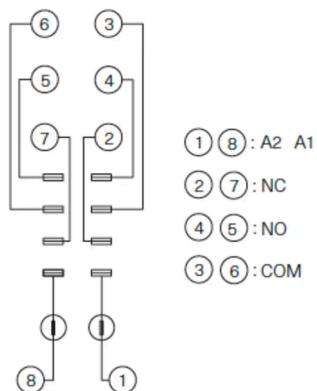
Wide Operating Temperature

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

Mechanical Dimensions



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	$\leq 100 \text{ m}\Omega$ (1 A 6 V DC)
Electrical endurance (number of operations)	3×10^4 cycles (room temperature 23 °C, 1.5 s on 1.5 s off, resistive) /NO $- 1 \times 10^5$ cycles (room temperature 23 °C, 1.5 s on 1.5 s off, resistive)/ NC - 5×10^4 cycles (room temperature 23 °C, 1.5 s on 1.5 s off, resistive)
Mechanical endurance (number of operations)	1×10^7 cycles

Ambient Condition

Operating Humidity (non-condensing)	30 % ~ 85 % RH
Impact / Shock	Stable operation 98 m/s ² / Damage limit 980 m/s ²
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 MΩ (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	1100Ω ±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 ²