

RELAY CP 2C-AC-KIT

Series CP Relay 2 changeover contacts 24/48/110/230 V AC

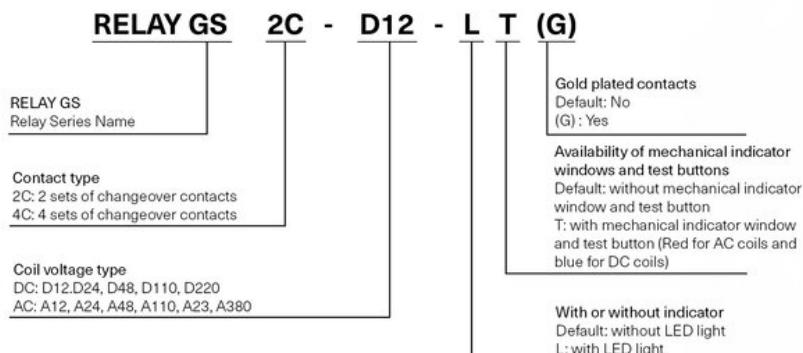


Preassembled relay with 2 changeover contacts and socket with Push-in connection technology

The preassembled relay kit from the CP series is a compact combination of a plug-in industrial relay with Series CP Relay 2 changeover contacts 24/48/110/230 V AC 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 gold-plated changeover contacts make it versatile for controlling multiple electrical circuits. The variants are available in different voltages, operating with a control voltage of 24/48/110/230 V AC, and can handle a contact load of 10 A. Additionally, it complies with CE, UL, and RoHS standards, ensuring the highest safety and environmental adherence in its design and manufacturing.

Available Variants:

Variant Name	SKU
RELAY CP 2C-A24-KIT	SA-CP2C-A24-PM
RELAY CP 2C-A48-KIT	SA-CP2C-A48-PM
RELAY CP 2C-A110-KIT	SA-CP2C-A110-PM
RELAY CP 2C-A230-KIT	SA-CP2C-A230-PM
RELAY CP 2C-A230(G)-KIT	SA-CP2C-A230-G-PM



ORDER DETAILS

Function: 2 changeover contacts, control voltage: 24/48/110/230 V AC variants, contact load: 10 A , Push-in wiring, 16.5 mm wide, CE, UL, and RoHS compliant

SKU/Order No.: SA-CP2C-A....-PM

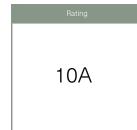


Features



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

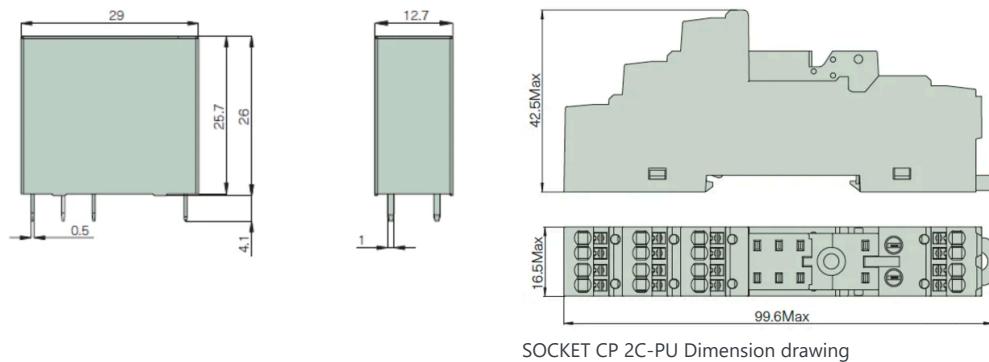
High insulation capability of 5 kV surge voltage between input and output



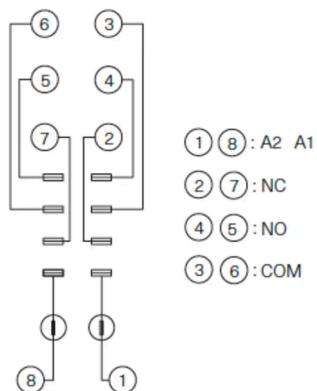
Wide Operating Temperature

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	10 A - 250 V AC

Contact Data

Contact material	Silver alloy / gold plated contacts
Contact resistance	$\leq 100 \text{ m}\Omega$ (1A 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 - 1×10^5 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, 1mm 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 (500 V DC)
Dielectric strength (between coil and contacts)	5000 V AC 1min.
Dielectric strength (between contact sets)	3000 V AC 1min.
Dielectric strength (between open contacts)	1000 V AC 1min.

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	80 % Rated voltage guaranteed making
Breaking voltage 23 °C	30 % Rated voltage guaranteed breaking
Rated power	App. 1.0 VA
Socket coil resistance at 23 °C	23000 Ω ±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