

RELAY SR 1C-AD-EU-KIT

Series SR Relay 1 changeover contact 6/12/24/48/110/230 V DC/AC



Preassembled relay with 1 changeover contact and socket with screw connection technology and integrated surge protection

The preassembled SR series relay kit is a slimline combination of a plug-in industrial relay with 6/12/24/48/110/230 V DC/AC, a changeover contact, and a socket. The socket has screw-type wiring terminals. The kit is 6 mm wide and suitable for various mounting applications. It has integrated overvoltage protection. The Variants are available in different voltages, which operate with a control voltage of 6/12/24/48/110/230 V DC/AC and can handle a contact load of 6 A. The socket contains built-in overvoltage protection. In addition, the relay complies with CE, UL, and RoHS standards, ensuring compliance with safety and environmental standards in design and manufacture. The SR series kit has become the preferred choice of system integrators. Other suitable fields of application include Paper machines, thermal power, wind power, machine tools, process control, and construction machinery.

Available Variants:

Variant Name	SKU
RELAY SR 1C-AD6-E	SA-SR1C-U6-EM
RELAY SR 1C-AD12-E	SA-SR1C-U12-EM
RELAY SR 1C-AD24-E	SA-SR1C-U24-EM
RELAY SR 1C-AD24(G)-E	SA-SR1C-U24-G-EM
RELAY SR 1C-AD48-E	SA-SR1C-U48-EM
RELAY SR 1C-AD110-E	SA-SR1C-U110-EM
RELAY SR 1C-AD230-E	SA-SR1C-U230-EM
RELAY SR 1C-AD230(G)-E	SA-SR1C-U230-G-EM

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

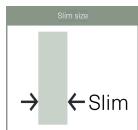
ORDER DETAILS

Function: 1 changeover contact, AC/DC universal coil, control voltage: 6/12/24/48/110/230 V DC/AC, contact load: 6 A, Screw wiring, 6 mm wide, CE, UL and RoHS compliant

SKU/Order No.: SA-SR1C-U...-EM

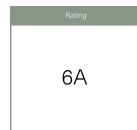


Features



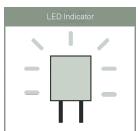
Slim Design

Takes lesser space as the socket is slim designed.



6 A switching capability

Contact rating 6 A



LED Indicator

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



DIN rail mounting

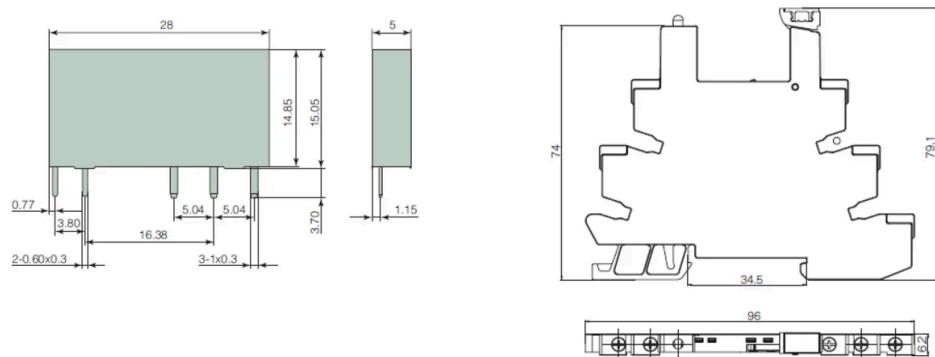
The socket can be mounted on a DIN rail.



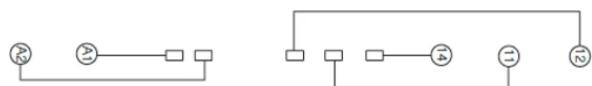
High insulation capability

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

Mechanical Dimensions



Drawings



RELAY SR... PU Wiring Diagram

Technical Data

Contact Characteristics

Contact form	1 changeover contact
Maximum switching capacity	1500 VA / 180 W
Rated resistive load	6 A - 250 V AC / 30 DC

Contact Data

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

Ambient Condition

Operating Humidity (non-condensing)	20 % ~ 85 % RH
Impact / Shock	Stable operation 100 m/s ² / Damage limit 1000 m/s ²
Vibration	10 Hz ~ 55 Hz, 1 mm dual amplitude
Ambient Temperature (operating)	-40 °C ~ 85 °C

Certification

Certification	CE, UL, RoHS
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Mechanical Data

Weight (typ.)	App. 5 g + 24 g
Tightening Moment (min. / max.)	0.5 Nm

Dimensions

Width (mm)	6
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Height (mm)	96
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Characteristics

Operate time (at rated voltage)	8 ms max.
Release time (at rated voltage)	4 ms max.
Insulation resistance	1000 MΩ (500 V DC)
Dielectric strength (between coil and contacts)	5000 V AC 1 min.
Dielectric strength (between open contacts)	1000 V AC 1 min.

Interface

LED indicator	Yes
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Coil Data

Max. continuous voltage at 23 °C	120 % Rated Voltage
Making voltage 23 °C	80 % Rated voltage guaranteed making
Breaking voltage 23 °C	5 % Rated voltage guaranteed breaking
Rated power	App. 0.18 W at 12 V ~24 V / 0.25 W at 48 V/ 0.4 W at 60 V

Socket Contact Characteristics

Rated Current	6 A
Rated Voltage	250 V
Dielectric withstand voltage (coil-contact)	4000 V/S
Dielectric withstand voltage (Intercontact)	2500 V/S
External connection wire	20~16 AWG / 0.5 ~ 1.5 mm ²