

CSR1S-24DXB



connectwell
THE RIGHT CONNECTION

Slim Relay Module 1CO 24VDC

- Compact 6.0mm thin design.
- Variety of Operating Voltages.
- High switching current: up to 6A at 250VAC
- Low coil power consumption: 175 mW.
- LED Indication on Coil activation.
- No requirement on polarity of input voltage (except 5 VDC & 24VDC Relay).
- Possibility of Jumpering up to 8 channels with a single link.
- Easy Legibility marker
- Choice of Pluggable Electromechanical Relays Or Solid State Relays.
- Choice of Screw & Spring Clamp Connection
- Special Snubber based Slim Relays are Available.
- Integrated Input Protection.
- UL, CE Approvals, ROHS Compliant

TECHNICAL DATA

| | |
|-------------------------------|--|
| Bussing Possibility | By Push in type shorting link |
| Relay on Indication | 3mm Green LED |
| Ambient Operating Temperature | -40 to +55 °C |
| Mounting Possibility | DIN 35/DIN 35-15 Rail |
| Housing Material | PA 6,6 |
| Housing Colour | Grey |
| Rated Voltage | 24 VDC |
| Input Polarity Protection | Reverse Polarity Protection, Rectifier based Protection. |
| Relay type | Electromechanical |

RELAY GENERAL SPECIFICATIONS

| | |
|---------------------------|------------------------|
| Relay Type | Electromechanical |
| Relay Make / Manufacturer | Connectwell |
| Dielectric Strength | 4 KVAC |
| Insulation Resistance | Min 1000Mohm at 500VDC |
| Relay Approvals | UL, VDE |

RELAY INPUT / COIL SPECIFICATIONS

| | |
|---------------------------|----------|
| Nominal Operating Voltage | 24 VDC |
| Nominal Input Current | 8 mA |
| Must Operate Voltage | 15.9 VDC |
| Must Release Voltage | 1.2 VDC |
| Nominal Input Power | 170 mW |
| Coil Resistance | 3390 Ω |

RELAY OUTPUT/CONTACT SPECIFICATIONS

| | |
|--|----------------------------------|
| Contact Type | 1 CO |
| Contact Material | AgSnO2 |
| Contact Resistance | 100 m ohms at 1A 6 VDC |
| Rated Contact Current (Resistive Load) | 6 A |
| Load Voltage Range | 400 VAC, 125 VDC at Reduced Load |
| Maximum Switching Power | 1500 VA, 180W |

CONNECTION SPECIFICATIONS

| | |
|--------------------------------|---------------------|
| Type of Connection | Spring Clamp |
| Wire Stripping Length | 10 mm |
| Approvals | UL, CE |
| Min. Wire Size - Stranded(mm2) | 0.2 mm ² |
| Max. Wire Size - Stranded(mm2) | 2.5 mm ² |
| Min. Wire Size - Stranded(AWG) | 24 AWG |
| Max. Wire Size - Stranded(AWG) | 12 AWG |
| Min. Wire Size - Solid | 0.2 mm ² |
| Max. Wire Size - Solid | 2.5 mm ² |
| Min. Wire Size - Solid(AWG) | 24 AWG |
| Max. Wire Size - Solid(AWG) | 12 AWG |

ORDERING INFORMATION

| CAT. NO. | DESCRIPTION | NO. OF CHN. | DIM. DET. | STD. PACK |
|-------------|---|-------------|---------------|-----------|
| CSR1S-24DXB | 1CO 24VDC Single Channel CW Slim Relay Module With Pluggable Relay Rail Mount | 1 | 6 x 94.5 x 96 | 10 |

CSR1S-24DXB

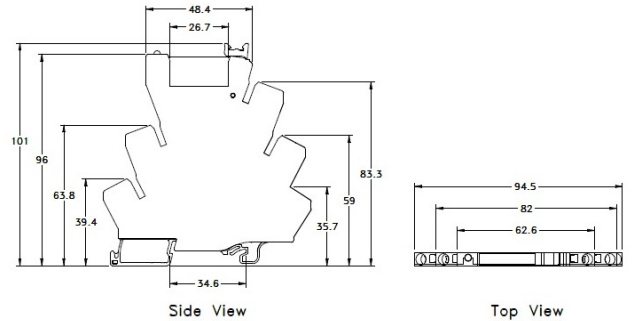


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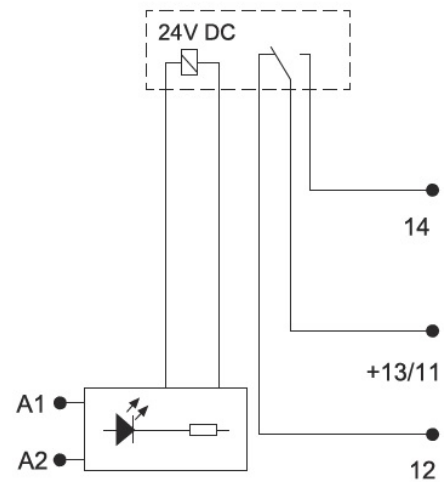
ACCESSORIES

| IMAGES | CAT. NO. | DESCRIPTION | STD. PACK |
|--------|--------------------------------|---|-----------|
| | CA701-1M | Din 35 Rail unslotted 1 meter | 50 |
| | CA701-2M | Din 35 Rail unslotted 2 meter | 50 |
| | CA701-2M-S | Din 35 Rail slotted 2 meter | 50 |
| | CA701-1M-S | Din 35 Rail slotted 1 meter | 50 |
| | CA701-15-1M | Din 35 Rail 15 deep unslotted 1 meter | 50 |
| | CA701-15-1M-S | Din 35 Rail 15 deep slotted 1 meter | 50 |
| | CA701-15-2M | Din 35 Rail 15 deep unslotted 2 meter | 50 |
| | CA701-15-2M-S | Din 35 Rail 15 deep slotted 2 meter | 50 |
| | SCS0.5/3 | Electricians Screwdriver for slotted screws | 10 |
| | JX4/2 | Shorting Link for 6 mm wide TB | 100 |
| | JX4/3 | Shorting Link for 6 mm wide TB | 50 |
| | JX4/4 | Shorting Link for 6 mm wide TB | 50 |
| | JX4/5 | Shorting Link for 6 mm wide TB | 50 |
| | JX4/8 | Shorting Link for 6 mm wide TB | 10 |
| | JX4/10 | Shorting Link for 6 mm wide TB | 10 |
| JX4/16 | Shorting Link for 6 mm wide TB | 10 | |
| | CA509/K6 | Blank Marking Tag | 100 |
| | SRL1-24D | RELAY 1CO 24VDC | 10 |
| | ADID24V | Slim Relay Adapter -Input side- 24VDC | 1 |
| | ADIF24V | Slim Relay Adapter -Input side- 24VDC | 1 |
| | ADOD24V | Slim Relay Adapter -Output side- 24VDC | 1 |
| | ADOF24V | Slim Relay Adapter -Output side- 24VDC | 1 |

PRODUCT DRAWING



CIRCUIT DIAGRAM



NOTES

UL File No Slim Relay - E485864
 UL File No for Socket - E485865
 UL File no for Relay - E504909

Protection Degree: IP20
 Pollution Degree 2
 Over voltage / Surge voltage category-III
 Relay operating time ≤ 8 (msec)
 Relay release time ≤ 4(msec)

Dielectric Strength:
 1)Between contacts and coil- 4kV AC (50Hz, 1min)
 2)Between contact sets- 2kV AC(50Hz, 1min)
 3)Between open contacts-1kV AC(50Hz, 1min)
 4)Between Live parts /DIN rail-2kV AC (50Hz, 1min)

Insulation resistance: 1000M ohm @ 500VDC

Connection wires/ Conductors: 60/75 deg C Copper conductor