

CSR1S-24DXA



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 16 channels with a single link.
- Jumpering upto 'n' number of channels using combination of shorting links.

TECHNICAL DATA

Bussing Possibility	By comb type shorting links.
Supply Voltage 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	Rectifier

RELAY GENERAL SPECIFICATIONS

Dielectric Strength	4000V AC(50Hz, 1mm)
Insulation Resistance	1000M ohm(500V DC, 25deg C)

RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VDC
Nominal Input Current	7 mA
Maximum Operating Voltage	28.8 VDC
Must Operate Voltage	19 VDC
Must Release Voltage	5.5 VDC
Nominal Input Power	170 mW

RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	1 CO
Contact Material	AgNi
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
Min. Wire Size - Stranded(mm2)	0.2 mm ²
Max. Wire Size - Stranded(mm2)	2.5 mm ²

CONNECTION SPECIFICATIONS

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-24DXA	1CO 24VDC Single Channel Slim Relay Module With Plugable Relay Rail Mount	1	6 x 94.5 x 96	10

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	

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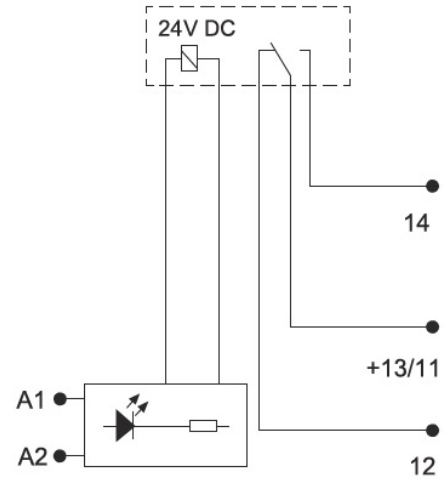


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THE RIGHT CONNECTION

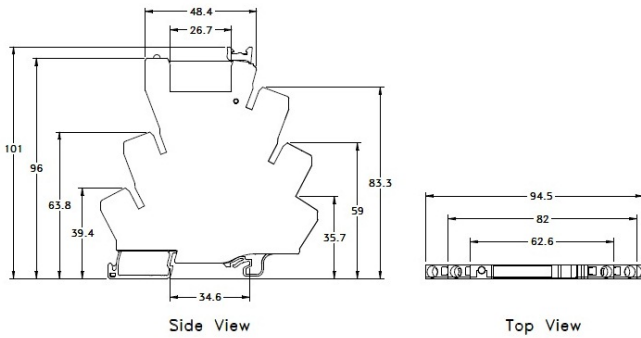
ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA509/K6	Blank Marking Tag	100
	IMACC/SR1S/24	SLIM RELAY 1CO 24VDC	1
	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

CIRCUIT DIAGRAM



PRODUCT DRAWING



NOTES

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 coil and contacts- 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 degC Copper conductor