

CSR1S-24DYB



CW 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.

TECHNICAL DATA

Bussing Possibility	By Using Push in Jumper
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
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RELAY OUTPUT/CONTACT SPECIFICATIONS

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
Turn-Off Time	Max 4ms (no diode without bounce)
Turn-On Time (0 Cross Turn On)	Max 8ms(nos diode without bounce)

CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
Wire Stripping Length	10 mm
Torque	0.4 Nm
Torque	7 lb-in
Approvals	UL, VDE
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-24DYB	1CO 24VDC Single Channel Slim Relay Module With Pluggable	1	6 x 94.5 x 96	10

CSR1S-24DYB



connectwell
THE RIGHT CONNECTION

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
	Relay Rail Mount			

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

	CA509/K6	Blank Marking Tag	100
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	SCS0.5/3	Electricians Screwdriver for slotted screws	10
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	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

	SRL1-24D	RELAY 1CO 24VDC	10
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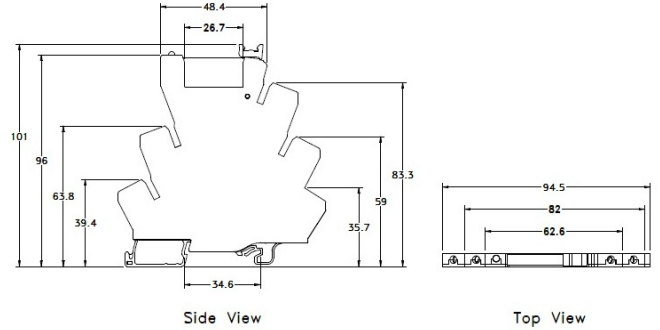
	ADID24V	Slim Relay Adapter -Input side-24VDC	1
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	ADOD24V	Slim Relay Adapter -Output side-24VDC	1
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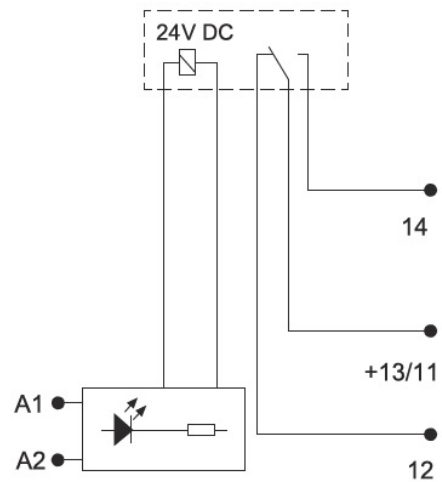
	ADIF24V	Slim Relay Adapter -Input side-24VDC	1
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	ADOF24V	Slim Relay Adapter -Output side-24VDC	1
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PRODUCT DRAWING



CIRCUIT DIAGRAM



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 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 degC Copper conductor