

# CSR2S-120UYB-SN



## SLIM RELAY MODULE 2CO 120VAC/VDC

- Compact & thin design
- Variety of Operating Voltages.
- High switching current : up to 8A at 250VAC
- low coil power consumption.
- LED Indication on Coil activation.
- No requirement on polarity of input voltage
- Possibility of Jumpering Multiple slim relays together

### TECHNICAL DATA

Bussing Possibility	Yes
Supply Voltage Indication	Green LED
Ambient Operating Temperature	-40 to +55 °C
Mounting Possibility	DIN 35/DIN 35-15 Rail
Housing Material	PA 6,6 (V0)
Housing Colour	Grey
Rated Input voltage	120 V
Input Polarity Protection	Rectifier

### RELAY GENERAL SPECIFICATIONS

Relay Type	Electromechanical Relay
Relay Make / Manufacturer	TE/RT4240110
Relay Approvals	UL,VDE

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	120VAC V
Nominal Input Current	7mA A
Maximum Operating Voltage	132VAC V
Must Operate Voltage	80VAC V
Must Release Voltage	20VAC V
Nominal Input Power	660 mW

### RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	2 CO-DPDT
Contact Material	AgNi
Contact Resistance	100 m ohms max
Rated Contact Current (Resistive Load)	8 A
Load Voltage Range	440 VAC, 300 VDC
Maximum Switching Power	2000 VA, 192W

### CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
Wire Stripping Length	10 mm
Torque	0.4 Nm
Torque	4.5 lb-in

### CONNECTION SPECIFICATIONS

Min. Wire Size - Stranded(mm2)	0.2 mm <sup>2</sup>
Max. Wire Size - Stranded(mm2)	2.5 mm <sup>2</sup>
Min. Wire Size - Stranded(AWG)	24 AWG
Max. Wire Size - Stranded(AWG)	12 AWG
Min. Wire Size - Solid	0.2 mm <sup>2</sup>
Max. Wire Size - Solid	2.5 mm <sup>2</sup>
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
CSR2S-120UYB-SN	2 CO 120VUC 2 Channel Slim Relay Module With Inbuilt Snubber Protection to protect from Short term voltage spikes	1	14 x 94.5 x 101	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
	ECAP 35/15	End Cap in Polyamide suitable for Din 35-15 rails	100
	ECAP 35/7.5	End Cap in Polyamide suitable for Din 35/7.5 rails	100

CSR2S-  
120UYB-SN

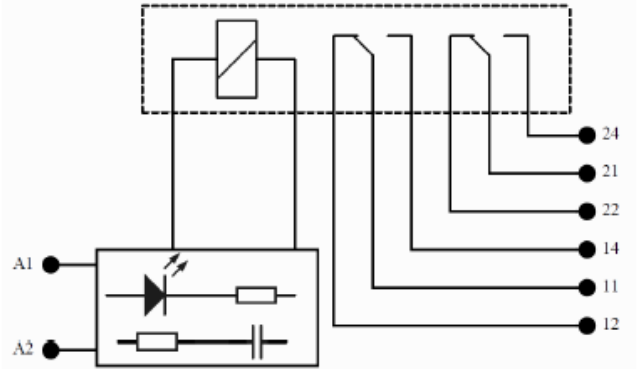


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THE RIGHT CONNECTION

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	25
	IMACC/MR2S/110	2CO 110VDC MODULAR RELAY	100
	JX1.5/14/2	2 WAY SHORTING LNK FOR Slim Relay 2CO Coil Side	50
	JX1.5/14/3	3 WAY SHORTING LNK FOR Slim Relay 2CO Coil Side	50
	JX1.5/14/4	4 WAY SHORTING LNK FOR Slim Relay 2CO Coil Side	50
	JX1.5/7/4	4 WAY SHORTING LNK FOR Slim Relay 2CO Contact Side	50
	JX1.5/7/6	6 WAY SHORTING LNK FOR Slim Relay 2CO Contact Side	50
	JX1.5/7/8	8 WAY SHORTING LNK FOR Slim Relay 2CO Contact Side	50

CIRCUIT DIAGRAM



NOTES

Protection Degree:IP20  
Pollution Degree:2  
Over voltage / Surge voltage category-III  
Relay operating time ≤ 15 (msec)  
Relay release time ≤ 8(msec)

Dielectric Strength:  
1)Between contacts and coil- 5kV AC (50Hz, 1min)  
2)Between contact sets- 2.5kV 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

PRODUCT DRAWING

