

# CSR1S-230AXA



## Slim Relay Module 1CO 230VAC

- 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	230 VAC
Input Polarity Protection	Bridge Rectifier

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	230 VAC
Nominal Input Current	9.45 mA
Maximum Operating Voltage	242 VAC
Must Operate Voltage	82 VAC
Must Release Voltage	18 VAC
Nominal Input Power	2.1 VA

### 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 <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>

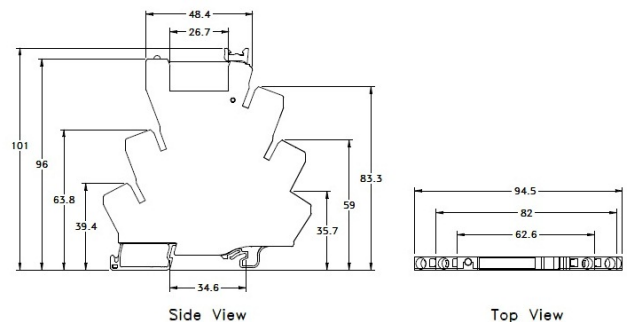
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Min. Wire Size - Solid(AWG)	24 AWG
Max. Wire Size - Solid(AWG)	12 AWG

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
CSR1S-230AXA	1CO 230VAC Single Channel Slim Relay Module With Pluggable Relay Rail Mount	1	6 x 94.5 x 96	10

### PRODUCT DRAWING

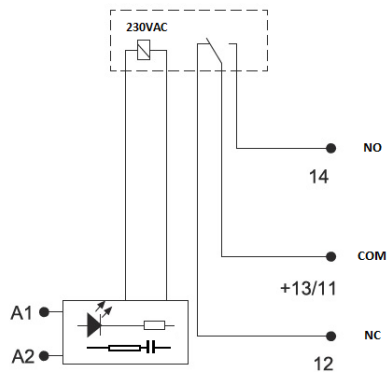


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230AXA



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THE RIGHT CONNECTION

**CIRCUIT DIAGRAM**



**NOTES**

Protection Degree:IP20  
Pollution Degree:2  
Over voltage/Surge voltage category-III  
Relay operating time  $\leq 8$  (msec)  
Relay release time  $\leq 10$ (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