

CSR2S-48-  
60UYC



**connectwell**  
THE RIGHT CONNECTION

**SLIM RELAY MODULE 2CO 48-60VAC/VDC**

- Compact & thin design
- Variety of Operating Voltages.
- High switching current : up to 8A at 24VDC/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, By using shorting link
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	48-60 V
Input Polarity Protection	Rectifier

**RELAY GENERAL SPECIFICATIONS**

Relay Type	Electromechanical
Relay Make / Manufacturer	Omron / G2RL2-DC48
Insulation Resistance	1000 MΩ at 500 VDC
Relay Approvals	UL

**RELAY INPUT / COIL SPECIFICATIONS**

Nominal Operating Voltage	48-60VAC/48-60VDC V
Nominal Input Current	12 A
Maximum Operating Voltage	66VAC/66VDC V
Must Operate Voltage	42.5VAC/43VDC V
Must Release Voltage	18.5VAC/16.5VDC V
Nominal Input Power	552 mW
Coil Resistance	5358 Ω

**RELAY OUTPUT/CONTACT SPECIFICATIONS**

Contact Type	2 CO -DPDT
Contact Material	Ag-alloy (Cd free)
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

**CONNECTION SPECIFICATIONS**

Torque	0.4 Nm
Torque	4.5 lb-in
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-48-60UYC	2CO 48-60 VAC/VDC Slim Relay With Pluggable Relay Rail Mount	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
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	ECAP 35/15	End Cap in Polyamide suitable for Din 35-15 rails	100

CSR2S-48-60UYC

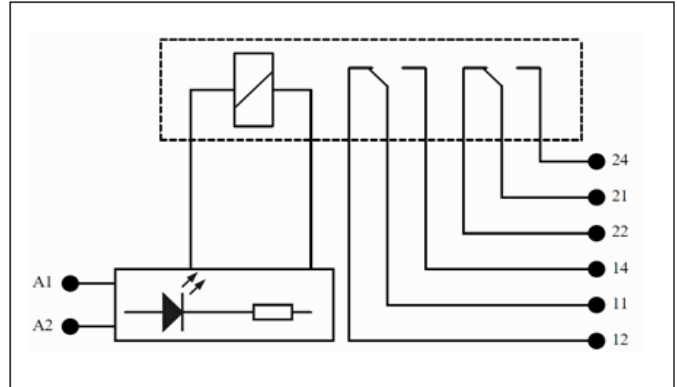


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**ACCESSORIES**

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	ECAP 35/7.5	End Cap in Polyamide suitable for Din 35/7.5 rails	100
	CA509/K12	Marking Tag Blank suitable for CTS16U / CTS25UN / CGT16N / CDB25 / CMDB25 / CSC16T / CSCG16T / CY16 / CYG16 Terminal Blocks	100
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	25
	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
	IMACC/G2RL2/48DC	RELAY OMRON G2RL 2CO 48DC	10

**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**

