

CSR2S-48-60UYA



SLIM RELAY MODULE 2CO 48-60VAC/VDC

- Compact 14mm 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, 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	Hongfa / HF115F/048-2ZS4BF
Insulation Resistance	1000 MΩ at 500 VDC
Relay Approvals	UL, VDE

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	5760 Ω

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

CONNECTION SPECIFICATIONS

Torque	0.4 Nm
Torque	4.5 lb-in
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
CSR2S-48-60UYA	2 CO 48 to 60VUC 2 Channel Slim Relay Module With Pluggable Relay Rail Mount	1	14 x 94.5 x 101 mm	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-48-60UYA

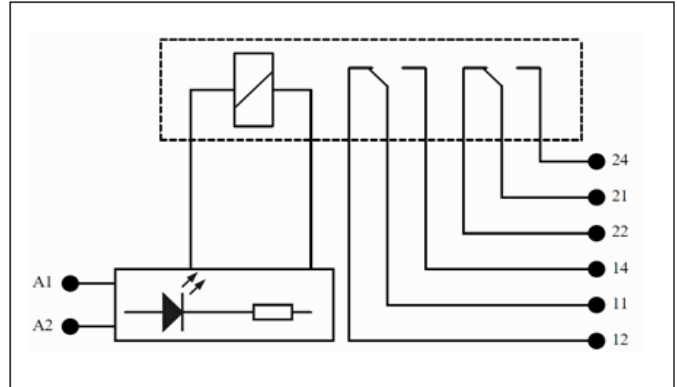


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THE RIGHT CONNECTION

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/MR2S/48	2CO 48VDC MODULAR RELAY	1

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

