

CIMRE1SS2/2 4A/OM



Relay Module 1CO 4 Channel 24VAC (SPDT)

- Fully-enclosed IP20 rated design
- Custom configurations up to 32 channels
- Long Tail Jumpers.
- Ergonomic for wiring ease
- High quality standards and approvals
- Long-life laser marking
- Additional all-axis marking provision
- Over voltage category: III
- Pollution degree :2
- Option to select Pluggable/Soldered Relays
- Standard and reverse type marking option available.
- Low Coil Drive Current (4.7 mA to 100 mA).
- LED indication to denote relay actuation.
- Freewheeling diode across relay coil.

TECHNICAL DATA

Bussing Possibility	By using spare jumpers.*****
Supply Voltage Indication	3mm Red LED
Relay Protection Method	Using 1N4007 Free Wheeling Diode
Ambient Operating Temperature	-20 to 50 °C
Mounting Possibility	DIN 35/DIN 35-15 Rail
Housing Material	PC
Housing Colour	Grey
Rated Input voltage	24 VAC
Rated Voltage	24 VAC
Rated output Current/channel	10 A

RELAY GENERAL SPECIFICATIONS

Relay Type	Electromechanical Relay
Relay Make / Manufacturer	Omron-G2R1 AC24
Dielectric Strength	Between Coil & Contact - 5000VAC Between Contacts - 1000VAC
Insulation Resistance	1000 Mohm
Relay Approvals	UL,CSA, VDE, SEMKO

RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VAC
Nominal Input Current	46.5 mA
Maximum Operating Voltage	26.4 VAC
Must Operate Voltage	19.2 VAC
Must Release Voltage	7.2 VAC

RELAY INPUT / COIL SPECIFICATIONS

Nominal Input Power	0.9 VA
Coil Resistance	260 Ω

RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	SPDT - 1CO
Contact Material	Ag-alloy (Cd free)
Contact Resistance	30 mΩ max.
Rated Contact Current (Resistive Load)	10 A
Load Voltage Range	250VAC/30VDC
Maximum Switching Voltage	440 VAC
Maximum Operating Frequency	18,000 Opr./Hr (Mechanically)
Turn-Off Time	5ms (Without Diode)
Turn-On Time (0 Cross Turn On)	15ms (Without Diode)

CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
Min. Wire Size	0.5 mm²
Max. Wire Size	2.5 mm²
Min. Wire Size(AWG)	20 AWG
Max. Wire Size(AWG)	12 AWG
Screw Size	M2.5
Wire Stripping Length	8 mm
Torque	0.4 Nm
Torque	3.5 lb-in

CIMRE1SS2/2 4A/OM



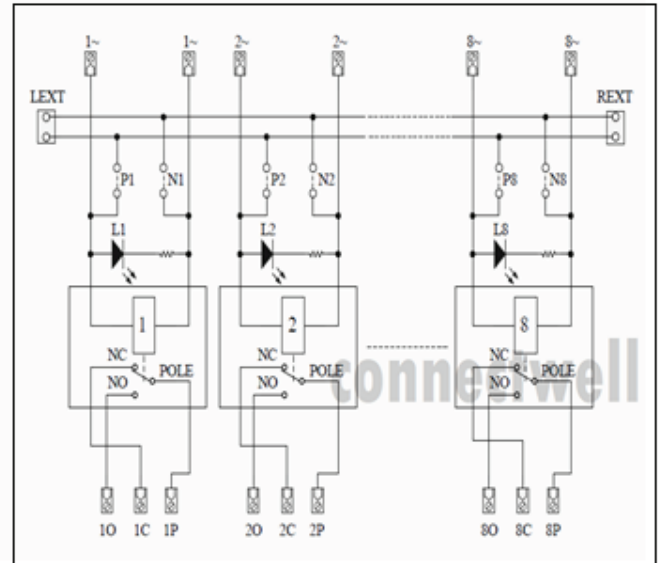
ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
CIMRE1SS4/24A/OM	1CO 4CH 24VAC CW Relay Module With Base (Pluggable Relay) Rail Mount	4	84.7 x 77 x 54	1
CIMRE1S4/24A/OM	1CO 4CH 24VAC CW Relay Module With Soldered Relay Rail Mount	4	84.7 x 77 x 50	1

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
	GMH8	Group Marker suitable for mounting on CA103	100
	IMACC/CIMRE/EXT	Extension Cable for CIMRE	50

CIRCUIT DIAGRAM



NOTES

***Module with Other Coil Voltage like 6 VDC, 48 VDC, 24 VAC, etc. are available on request. All values in the are the initial values at 23°C.
 **** Module is Factory-built common negative, To change to common positive move the Jumpers to PC.
 ***** To use as a standard module without bussing put the jumpers into spare parking space available on Module.

All values in the are the initial values at 23°C.