

## CIMRE2SS8/2 4/OM



Relay Module 2CO 8CH 24VDC (DPDT)

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 VDC
Rated Voltage	24 VDC
Rated output Current/channel	5 A

### RELAY GENERAL SPECIFICATIONS

Relay Type	Electromechanical Relay
Relay Make / Manufacturer	Omron/ G2RL-2 DC24
Dielectric Strength	Between Coil & Contact - 5000VAC Between Contacts - 1000VAC
Insulation Resistance	1000 Mohm
Relay Approvals	UL,CSA, VDE,SEMCO

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VDC
Nominal Input Current	16.7 mA
Maximum Operating Voltage	31.2 VDC
Must Operate Voltage	16.8 VDC
Must Release Voltage	2.4 VDC

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Input Power	400 mW
Coil Resistance	1440 Ω

### RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	DPDT - 2CO
Contact Material	Ag-alloy (Cd free)
Contact Resistance	100 mΩ max.
Rated Contact Current (Resistive Load)	8 A
Load Voltage Range	250VAC/30VDC
Maximum Switching Voltage	440 VAC
Maximum Operating Frequency	18000 Opr./Hr (Mechanical)
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 mm <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
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

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### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
CIMRE2SS8/24/OM	2CO 8CH 24VDC CW Relay Module With Base (Pluggable Relay) Rail Mount	8	162.1 x 98 x 54	1
CIMRE2SS8/24/OM	2CO 8CH 24VDC CW Relay Module With Soldered Relay Rail Mount	8	162.1 x 98 x 54	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
	IMACC/2CO/24DC	RELAY 2CO 24DC	10

### 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.

### CIRCUIT DIAGRAM

