

Relay Module 1CO 2CH 24VDC (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

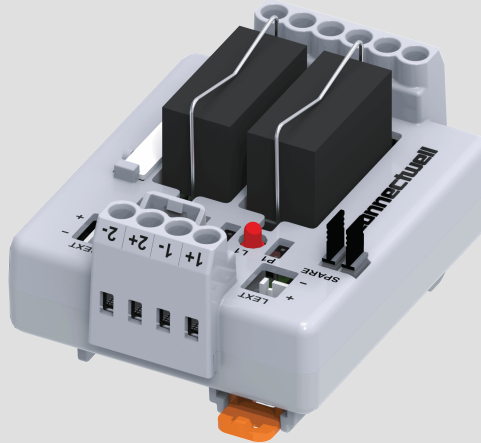
Option to select Pluggable/Soldered Relays

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 VDC
Rated output Current/channel	10 A

RELAY GENERAL SPECIFICATIONS

Relay Type	Electromechanical Relay
Relay Make / Manufacturer	Omron/ G2RL-1 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
Nominal Input Power	400 mW

RELAY INPUT / COIL SPECIFICATIONS

Coil Resistance	1440 Ω
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RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	SPDT - 1CO
Contact Material	Ag-alloy (Cd free)
Contact Resistance	100 mΩ max.
Rated Contact Current (Resistive Load)	12 A
Load Voltage Range	250VAC/24VDC
Maximum Switching Voltage	440VAC/300VDC V
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 ²
Max. Wire Size	2.5 mm ²
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 4/OM



connectwell
THE RIGHT CONNECTION

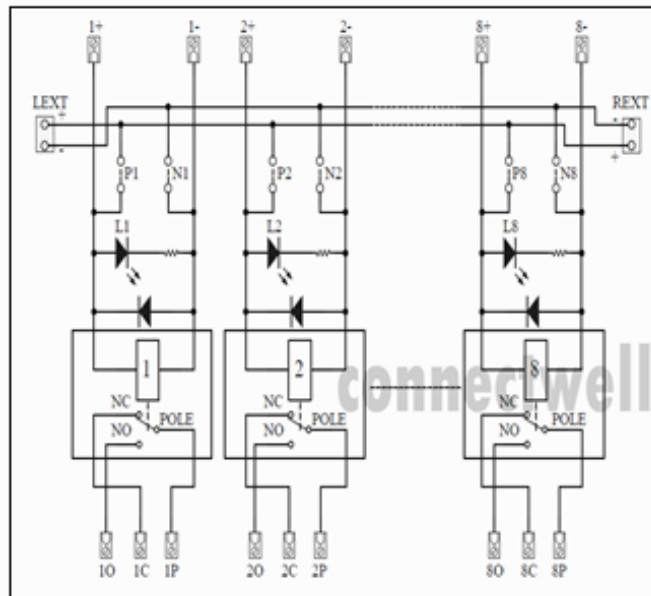
ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
CIMRE1SS2/24/OM	1CO 2CH 24VDC CW Relay Module With Base (Pluggable Relay) Rail Mount	2	59.1 x 77 x 54	1
CIMRE1S2/24/OM	1CO 2CH 24VDC CW Relay Module With Soldered Relay Rail Mount	2	59.1 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
	GMH8N	Group Marker suitable for mounting on CA103	100
	IMACC/G2RL1/24DC	RELAY OMRON G2RL 1CO 24DC	10
	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.

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