

CIMRE1SS8/2 4/OM



Relay Module 1CO 8CH 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 Voltage | 24 VDC |
| Rated output Current/channel | 10 A |

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 |
| Coil Resistance | 1440 Ω |

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 |

RELAY OUTPUT/CONTACT SPECIFICATIONS

| | |
|--------------------------------|----------------------------|
| Load Voltage Range | 250VAC/30VDC |
| Maximum Switching Voltage | 440 VAC |
| Maximum Operating Frequency | 18000 Opr./Hr (Mechanical) |
| 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 |

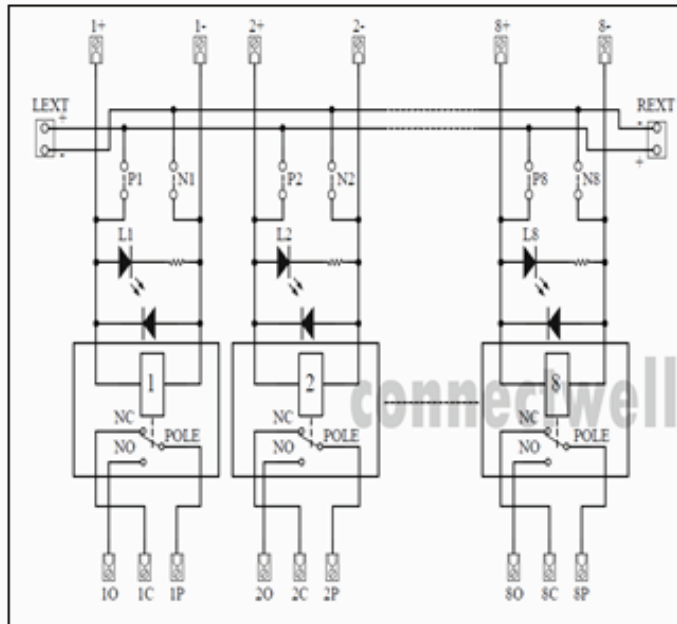
ORDERING INFORMATION

| CAT. NO. | DESCRIPTION | NO. OF CHN. | DIM. DET. | STD. PACK |
|------------------|--|-------------|-----------------|-----------|
| CIMRE1SS8 /24/OM | 1CO 8CH 24VDC CW Relay Module With Base (Pluggable Relay) Rail Mount | 4 | 149.5 x 77 x 44 | 1 |
| CIMRE1S4/ 24/OM | 1CO 8CH 24VDC CW Relay Module With Soldered Relay Rail Mount | 4 | 149.5 x 77 x 40 | 1 |

CIMRE1SS8/2
4/OM



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.