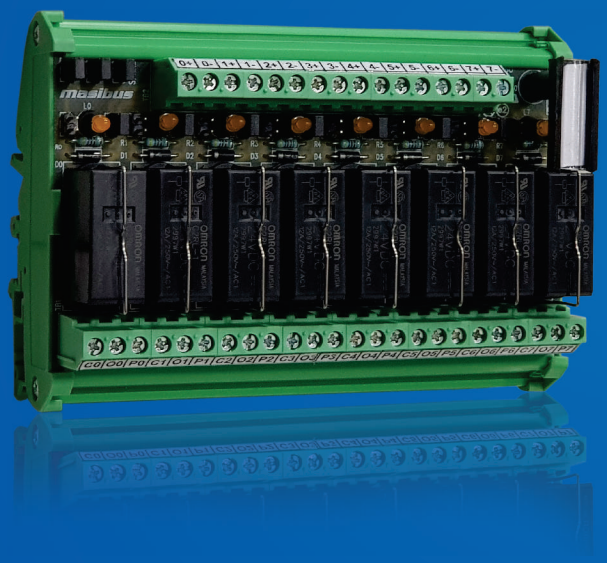
masibus



MAS-DO-RL
Field Interface Board
8/16 Relay Output

Masibus Relay Output Field Interface Board has 08/16 channels Relay output with switching current of 12A @ 250V AC/24V DC. The Relay Board has unique features like Positive/Negative looping.

It is compact, universal DIN rail mounted with labeled input and output connections

Features

- Relay Module with 8/16 – Channel
- Coil Voltage : 5V DC/12V DC/24V DC/48V DC
- Freewheeling diode across the relay coil for protection
- Jumpers for selection between positive/negative looping
- Available with pluggable relays
- Mounting on DIN carrier rail

Applications

- Convert open collector to relay Output
- SCADA/DCS/PLC

TECHNICAL SPECIFICATIONS

General Data	
Relay Make	OMRON G2RL Series
Input Indication	Orange LED for input status indication
Relay Protection	Freewheeling diode across relay coil
Positive/Negative Looping	Common, Remove all Jumpers to make relay independent

Isolation	
Isolation	1.5 KVAC, 50/60 Hz, 1 min between coil and contact
Insulation Resistance	1000MΩ (At 500 VDC) between coil and contact

Relay Contact data	
Rated current (resistive load)	12A at 250V AC 12A at 24V DC
Maximum Switching Voltage	440V AC, 300V DC
Contact Resistance	100MΩ Maximum
Relay on time	15m Sec Max
Relay off time	5m Sec Max
Contact Type	1C/O (SPDT)
Insulation resistance	1000MΩ min

Physical	
Dimensions in mm (L x W x D)	128X90X60 (8 ch.) 252X90X60 (16 ch.)
Mounting	DIN Rail
Terminal Block	Screw type PCB Mounted
Terminal Cable Size	2.5mm^2
Housing color	Green
Weight	8-Ch. Relay Module: 260 gm Approx. 16-Ch. Relay Module: 620 gm Approx.

Relay Coil data				
Rated Coil Voltage	5V DC	12V DC	24V DC	48V DC
Coil Resistance (Ohms)	62.5	360	1440	5358
Rated Coil current	80	33.30	16.7	8.96
Power Consumption (mW)	400	400	400	400
Must Operate Voltage	75% Max of rated voltage			
Must release Voltage	10% Max of rated voltage			
Maximum Voltage	130% at 85 °C			

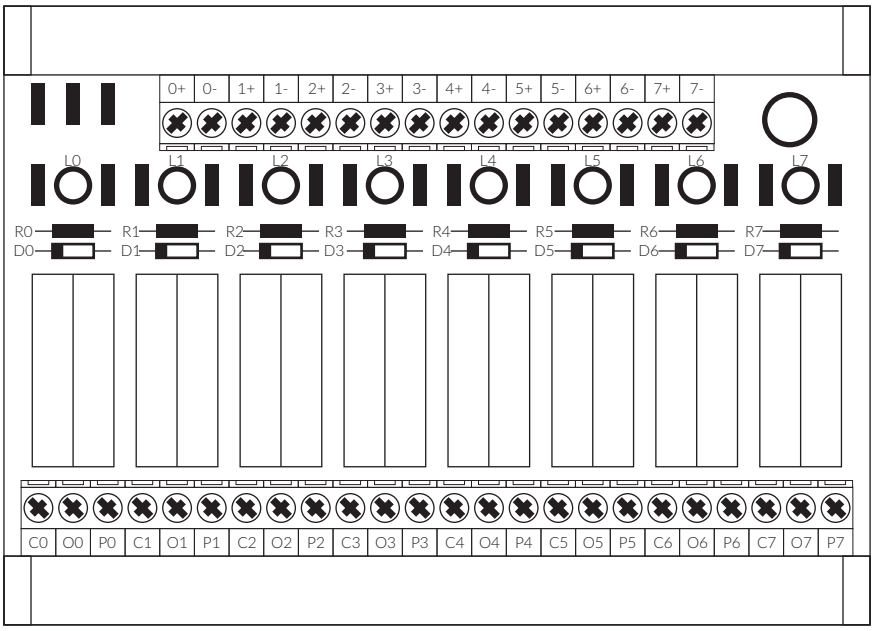
Environment	
Operating Temperature	0 to 55 °C
Storage Temperature	0 to 80 °C
Humidity	30-95% RH (Non-Condensing)
ROHS Compliant	All components and PCBs are ROHS approved

TECHNICAL SPECIFICATIONS

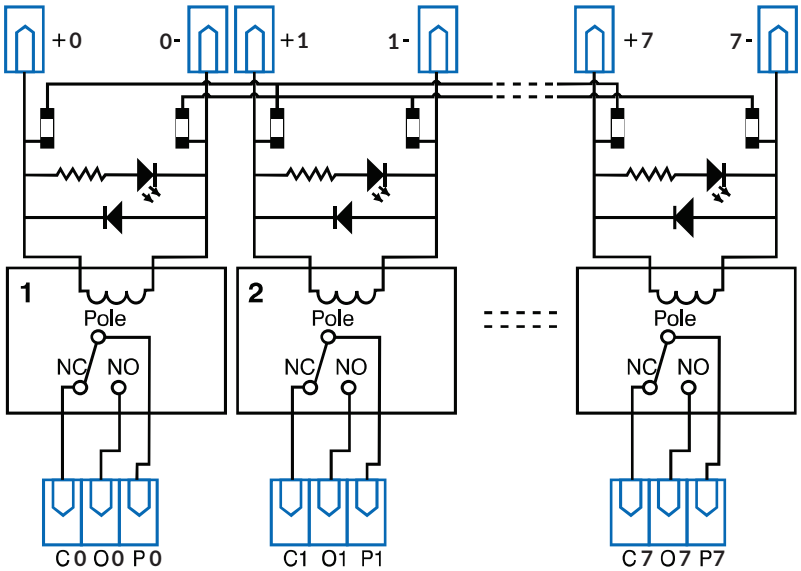
ORDERING CODE

Model No	No of Channels		Changeover		Voltage	
MAS-DO-RL	XX		XX		XX	
	08	8 channel	1CO	1 Change over	05	5V
	16	16 channel			12	12V
					24	24V
					48	48V

Layout Diagram



Connection Diagram



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