

# RELAY MODULE - SOLID STATE TYPE

INPUT VOLTAGE 24V DC, OUTPUT VOLTAGE 24V DC WITH FUSE AT OUTPUT

## Main Features

- SSR relay module with solid state relays.
- Relays directly soldered.
- 8/4 channels.
- Input voltage 24V DC.
- Output voltage 24V DC.
- Rated load current 3A.
- Fuse protection at output.
- Jumpers are provided for selection between positive / negative looping.
- Free wheeling diodes are provided for polarity protection.
- Mounting DIN 35 carrier rail.



TECHNICAL SPECIFICATION	
<b>INPUT DATA</b>	
Nominal input voltage	24 V DC
Maximum input current	15 mA <sub>dc</sub>
Maximum turn-on time	50 μs
Nominal turn-on time	10 μs
Maximum turn-off time	100 μs
Nominal input resistance	2.2 KΩ
<b>OUTPUT DATA</b>	
Nominal operating voltage	24V DC
Operating voltage range	3-60V DC
Maximum load current	3A
<b>RELAY DATA</b>	
Relay	M-ODC24
Relay type	SSR DC Relay
Make	Crydom
Isolation	4000 V <sub>rms</sub>
Capacitance, input / output	8pF
<b>GENERAL DATA</b>	
Housing color	Black
Module height (H)	65 mm
Module depth (D)	126 mm
Operating temperature	0°C to 80°C
Storage temperature	-10°C to 100°C
Protection at output	Fuse of 2A
Bussing	Jumpers are provided for selection between positive/negative looping
<b>CONNECTION DATA</b>	
Type of connection	Screw connection (PCB terminals block)
Make	Phoenix Contact
Nominal current carrying capacity	24A
Rated voltage capacity	250V
Conductor cross section solid	Min/Max .02/4.0 mm <sup>2</sup>
Conductor cross section stranded	Min/Max .02/2.50 mm <sup>2</sup>

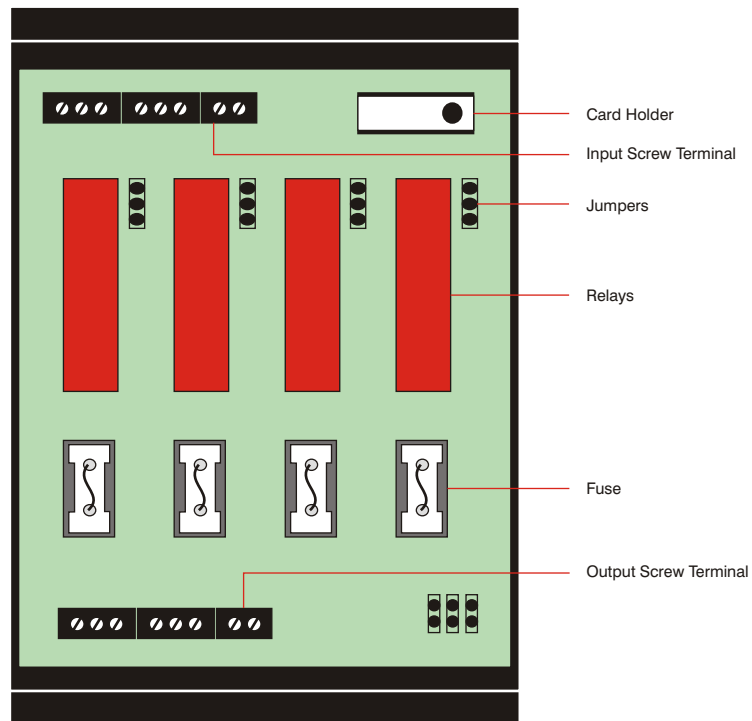
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## LAYOUT & CONNECTION DIAGRAM

MODEL	No. of relay	Module length	Pcs./Pkt.
TT-IMRB-08024D1-SSR(F)	08	142 mm	01
TT-IMRB-04024D1-SSR(F)	04	72 mm	01

Layout of TT-IMRB-04024D1-SSR(F)



SSR Module with Fuse

