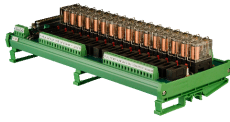


IMRE/DI16/24/ DM37



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THE RIGHT CONNECTION

16 CH Digital Input(DI) Relay Interface Module

-These modules act as input module for PLCs or other digital controllers.

- The digital input (DI) module provide isolation between two wire field sensor and the input of controllers like PLC.In addition the connection between the digital input module and PLC is through a convenient DSUB connector.

-This module has an added safety feature of Glass fuse.The power terminal on the module helps to provide power signal to either the load or the sensor.

-In addition to the DSUB connector,standard PCB terminal blocks are also provided for connecting the input signals

TECHNICAL DATA

Relay on Indication	3mm Red LED
Supply Voltage Indication	3mm Green LED
Relay Protection Method	Using 1N4007 Free Wheeling Diode
Ambient Operating Temperature	-20 to +50 °C
Mounting Possibility	DIN32 / DIN35 / DIN35-15 / PANEL
Housing Material	PVC / V0 Grade
Housing Colour	Green
Rated Current/Channel	33 A

FUSE SPECIFICATIONS

Fuse Type	Fast Blow , Slow Blow
Fuse Rating	0.1, 0.5, 0.63, 1, 2, 3, 4, 5, 6, 6.3 A
Fuse Size	5 x 20 mm

DSUB CONNECTOR SPECIFICATIONS

Housing Material (Insulator)	PBT, Rated UL94V-0
Housing Material (Shell)	Steel
Contact Material	Brass
Rated Current / Pin	3 A
Contact Resistance	15 m ohms maximum at 500 VDC
Dielectric Withstanding Voltage	1000VAC for one Minute
Rivet / Board Lock Material	Copper Alloy

RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VDC
Nominal Input Current	21.8 mA
Maximum Operating Voltage	26.4 VDC
Must Operate Voltage	16.8 VDC
Must Release Voltage	3.6 VDC
Coil Resistance	1100 Ω

RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	1 CO
Contact Material	AgCdO
Load Voltage Range	380 VAC / 125 VDC
Maximum Operating Frequency	18000 Opr./Hr (Mechanical)

FUSE HOLDER SPECIFICATIONS

Mounting type	Horizontal
Cap Design	Flat
Fuse Size	5 x 20 mm
Rated Current	6.3 A

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)	30 AWG
Max. Wire Size(AWG)	14 AWG
Wire Stripping Length	8.3 mm
Torque	0.5 Nm
Torque	4.5 lb-in

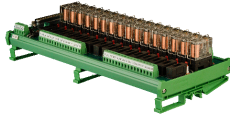
ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
IMRE/DI16/24/DM37	16CH 1CO 24VDC Digital Input (DI) Relay Board for Connecting input signal.	16	285 X 120 X 74	1

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50

IMRE/DI16/24/
DM37

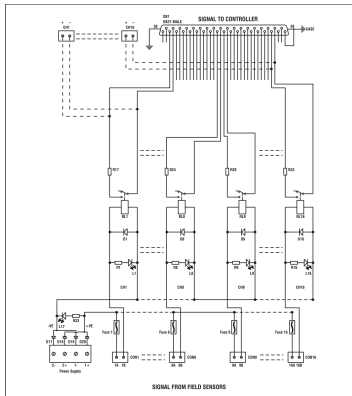


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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	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
	CA509/K2	Marking Tag Blank suitable for CDL4U / CDL4U(I.S) / CTL2.5U / CTL2.5UH / CTL2.5UL / CTL2.5HUL / CTL2.5U(I.S) / CTL2.5U(I.S)D2 / CGMT4 / CSFL4U / CSFL4U(L) / CMT4 / CMB4 / ASF4 / ASF4(L) / CTS2.5(100
	SCS0.5/3	Electricians Screwdriver for slotted screws	10
	IMACC/G2R1/24DC	RELAY 1CO 24VDC	10

CIRCUIT DIAGRAM



NOTES

- * Module Lengths mentioned are for RAIL Mounting option only. The lengths may vary for PANEL Mounting.
- ** PANEL Mounting relay modules are available on request. Please use the suffix -P with the cat. no. for ordering.
- *** DSUB Cable Available on request. #Module with Other Coil Voltage like 6 VDC, 48 VDC, 24 VAC etc. are available on request.