

# IMDI16/xx



## 16CH Digital Input Module With optical Isolation

- Interface between PLC and Sensors
- 16 Channel input can be achieved
- Protection: Diode polarity protection
- Isolation: Opto isolation between PLC and Sensors.
- Easy to replace opto couplers (Pluggable).
- LED indication for signal input.
- Fuse fail indication for main supply

### TECHNICAL DATA

Signal on Indication	3mm Red LED
Ambient Operating Temperature	-20to+50 °C
Mounting Possibility	DIN 32/DIN 35/DIN 35-15 Rail
Housing Material	PVC / V0 Grade
Housing Colour	Green

### 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

### 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 <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
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
IMDI/16/24	16CH 24VDC Digital Input (DI) Board with Optical Isolation	16	184 X 120 X 50	1

### ACCESSORIES

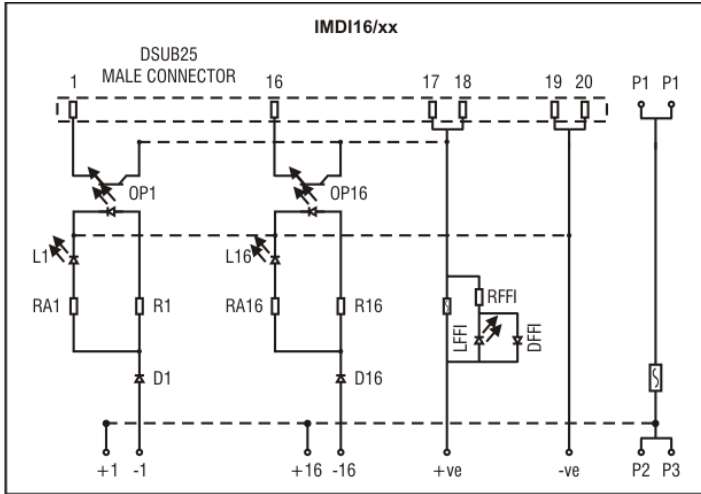
IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	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

### Isolator Specifications

Type of Isolation (Input to Output)	Opto Coupler
-------------------------------------	--------------



**CIRCUIT DIAGRAM**



**NOTES**

\* Module Lengths mentioned are for RAIL Mounting option only. The lengths may vary for PANEL Mounting. \*\* PANEL Mounting modules are available on request. Please use the suffix -P with the cat. no. for ordering. \*\*\* DSUB Cable Available on request.