



MAS-DX-08-D

8-Channel AC Input Boards



Masibus 8-Channel AC Input Board is designed to interface variety of Analog signals from Field Power terminals to automation units like PLC/DCS/SCADA. It is useful for detecting ground fault & line current-voltage sensing. The Board has wide AC input and DC output ranges, to match various customer requirements.

It is available in compact footprints in 35mm DIN rail mounting. Its input and output connections are labeled for easy installation, operation and maintenance.

This module provides up to 1.5KVAC galvanic isolation between input, output and supply for rugged, stable and reliable operations. It has 24VDC auxiliary power supply.

Features

- Multi-channel configurations
- Wide range of AC inputs and DC outputs
- Isolates field signal from DCS/PLC
- DIN rail mounted
- User friendly labelling
- Independent zero & span for each channel
- Re-Transmission to Interface with DAS/SCADA/PLC

Applications

- Industrial process control
- Factory automation
- SCADA
- DAS

TECHNICAL SPECIFICATIONS

Input		Power Supply	
No. of Channels	8	Power Supply	18-36VDC
Input Range (Nominal)		Power Consumption	6 Watt
Current	0-5A AC, 0-1A AC, 0-300mA AC	Fuse Rating	2 Amp (Fast Blown)
Voltage	0-150V AC, 0-300V AC, 0-450V AC	Healthy Status	Green LED
Burden		Fault Status	Red LED
Current	< 0.1VA	Isolation (Withstanding voltage)	
Voltage	< 0.5 VA for 450VAC I/P	<ul style="list-style-type: none"> • Input to Output - 1.5KV RMS for one minute • Input to Supply - 1.5KV RMS for one minute • Output to Supply- 1.5KV RMS for one minute 	
Overload Current	20A max.		
I/P Connection	Barrier terminal 3 mm ²		
Output		Environmental	
Output Range		Operating Temperature	0 to 50 °C
Current	4-20mA DC	Temp. Co-efficient	≤150 PPM
Voltage	0-5V DC, 0-10V DC, 1-5V DC	Humidity	30-95% non-condensing
Response Time	Up to 90%: ≤ 200ms max. Up to 99%: ≤ 400ms max.	Environmental Protection	Conformal coating on PCB
Accuracy		Physical	
Current	0.25% of FS (For 5-110% of nominal input)	Dimension (in mm)	300(L) x 126(W) x 92(D)
Voltage	0.25% of FS (For 10-110% of nominal input)	Mounting	DIN Rail (35 mm width)
Stability	0.1% per Year	Profile Material	PVC
Output Terminals	25 pin D-Type male connector	Terminal Block	UL, CSA standard
Load Impedance		Terminal Cable Size	Upto 2.5mm ² conductor
Current	≤ 650 Ohms	Weight	Approximately 580gms.
Voltage	≥ 3.9K		

Ordering Code

MAS-DX-08-D-XX

Input Signal		Input Range		Output Range	
X		X		X	
A	Current	1	0-5A AC	1	4-20mA DC
		2	0-1A AC	2	0-5V DC
		3	0-300mA AC	3	0-10V DC
				4	1-5V DC
V	Voltage	1	0-150V AC	1	4-20mA DC
		2	0-300V AC	2	0-5V DC
		3	0-450V AC	3	0-10V DC
				4	1-5V DC

Cable Ordering Code

Model	Cable Length
m-PC-D25F-LG	XX
	C 2.5 Meter
	D 3.0 Meter
	E 3.5 Meter
	F 5.0 Meter
	G 7.0 Meter
	S Special

Note: 20 Core 0.14mm² with DB 25 Female connector at one end and lug at another end.
*** For Special Requirement Consult Factory**

