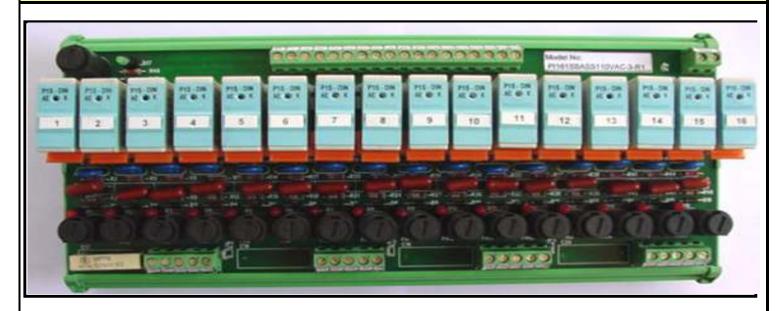
Paramount Relay Interface Module



Series PI16ISBASS230VAC-3 -R1

16 Channel Input Relay Board



These Relay modules provide a compact, reliable & cost effective means of providing an isolation and safety barrier between the field equipment and the PLC

The coil of each relay is activated by the PLC and the contacts of the relays connect to the field, providing increased load switching capability with fuse protection and easy configuration

The In put relay interface module has fuses for each channel, LED Indication is provided for the logic supply.

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Series: PI16ISBASS230VAC-3-R1

Input Relay Module Specification				
Model	No. of Channel Supply	No. of Logic supply	Dimension L x W x D in mm	Channel Fuse Rating
PI16ISBASS230VAC-3-R1	16	2	255 x 85 x 125	500m A

Component Specifications / Other details

1 Fuse Holders PCB Mountable Vertical Fuse Holder (5x20 fuses)

2 Fuses 5 x 20 mm Fuses Glass Cartridge

Channel Supply:500mA Fast Blow

3 Extrusion Make : Phoenix Contact

4 Terminal Blocks Make : Phoenix Contact

5 Logic Supply : 24 VDC

6 Fuses are available for each channel



Series: PI16ISBASS230VAC-3-R1

1

2

Relay Specifications					
1	Make	:	PARAMOUNT		
2	Part No.	:	P1S - DIN		
3	Contact Configuration	:	1 N/O		
	Contact Rating	:	100mA @ 32VDC Max.		
	Input Parameters				
4	Input Current	:	5 m Amps Max. @ 220V AC		
5	Maximum Input Voltage	:	250 V AC Max.		
6	Switch ON Voltage Range	:	170 - 180VAC		
7	Must Operating Voltage	;	180 VAC		
8	Must Switch OFF Voltage	:	165 VAC		
	Output Parameters				
9	Max. Output Current	:	100 mA DC		
10	Max. Output Voltage	:	32 VDC		
11	Max. Leakage Current	:	100 micro Amps		
12	Max. Voltage Drop	:	1.5 VDC		
	Specifications				
13	Isolation between Input / Output	:	4 KV / 1 Min.		
14	Operate Time @ Rated Voltage	:	5 msecs Max.		
15	Release Time @ Rated Voltage	:	6 msecs Max.		
16	Working Temperature Max.	:	60° C		
17	Storage Temperature	:	- 40° C to + 85° C		
18	Weight	:	28 grms Max.		
19	Dimension (LxWxH)	<u>:</u>	28.9 x 13 x 36.1 mm		
Relay Features					

Socket Specifications

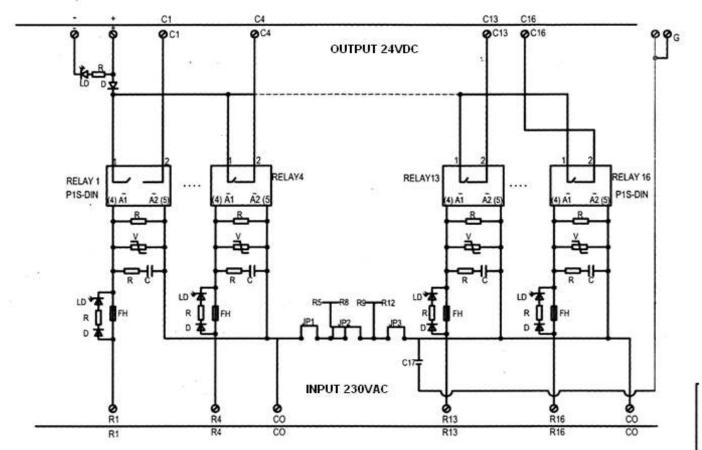
Industrial 4.75mm Faston terminals

Marking Lable (to indicate relay number etc...)

1	Nominal Load	:	10 Amps @ 250VAC
2	Maximum Switching Voltage	:	400 volts
3	Di-Electric Strength	:	5 KV
4	Terminals	:	Hard Brass Tin Plated
5	Retainer clip	:	Integrated hold down type
6	Dimensions (length x breadth x height)	:	31.0 x 14.8 x 5.20 + 13.4mm (pin+body height)
7	Touch protected		
8	Weight	:	8 gms



CIRCUIT DIAGRAM



NOTE: JP1, JP2&JP3 ALL ARE SHORTED

Series: PI16ISBASS230VAC-3-R1



PCB LAYOUT

