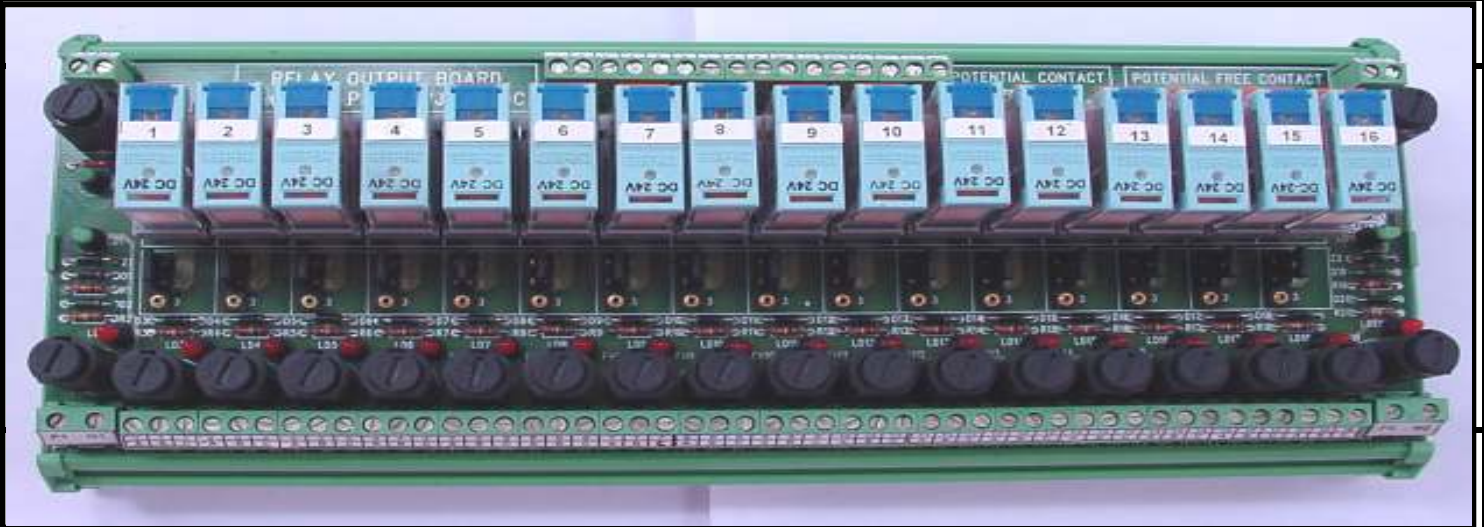


Series PI1601SBJA24VDC 16 Channel Output Relay Board



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 Out put relay interface module have selection jumpers for each channel to select the way each channel interfaces to the field (voltage from the field / voltage from the on board bus bar)

The Output relay interface module has fuses for each channel with fuse blow Indication - Red color LED. For Logic supply - Green colour LED for Power on Indication. For Field Supply - Green colour LED for Power On Indication & Red color LED for Fuse Blow Indication

The Relays from Releco have a label on the top of the relay to indicate the channel / relay number and have 4.75 mm blade type Industrial Pins for Industrial Plug In application

Releco relays has built in LED Orange color for Relay Power on Indication, Free Wheeling & Polarity Diode and Mechanical Flag Indicator.

Free Wheeling Diode and LED across the coil Indicator are provided on the board for each channel.

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Series : PI1601SBJA24VDC

Output Relay Module Specification

Model	No. of Channel Supply	No. of field supply	No. of Logic supply	Field supply connection	Dimension L x W x D in mm	Field Fuse Rating	Logic Fuse Rating	Channel Fuse Rating
PI1601SBJA24VDC	16	2	2	Jumper	282 x 85 x 125	3.15 A Slow Blow	1 A Fast Blow	1 A Fast Blow

Component Specifications / Other details

- 1 Fuse Holders
 - PCB Mountable Vertical Fuse Holder (5x20 fuses)
- 2 Fuses
 - : 5 x 20 mm Fuses Glass Cartridge
 - Field Supply : 3.15 Amps Slow Blow
 - Logic Supply : 1 Amps Fast Blow
 - Channel Supply : 1 Amps Fast Blow
- 3 Jumpers
 - Gold Plated
- 4 Extrusion Make : Phoenix Contact
- 5 Terminal Blocks Make : Phoenix Contact
- 6 Logic Supply : 24 VDC
LED Indicator present to indicate the presence of the Logic Supply.
Fuse available for the Logic Supply
- 7 Field Supply : 24 VDC / 230 VAC
LED Indicator present to indicate the presence of Field Supply.
Fuse available for the Field Supply
- 8 Fuses are available for each channel

Series : PI1601SBJA24VDC

Relay Specifications

1	Make	:	RELECO
2	Part No.	:	C10 A10 FX DC 24V
3	Contact Material	:	AgNi
4	Contact Configuration	:	1 Change Over
5	Rated Load	:	10 Amps @ 250VAC
6	Maximum Switching Current	:	10 Amps
7	Peak Inrush Current (10m secs)	:	30 Amps
8	Maximum Switching Voltage	:	400 Volts
9	Coil Power Including LED	:	0.65 watts
10	Operate Time + Bounce Time	:	10 + 1 m secs
11	Release Time + Bounce Time	:	5 + 3 m secs
12	Di-Electric strength, contact / coil	:	8mm / 5 KV
13	Weight	:	21 gms
14	Pull in Voltage	:	75% of Nominal voltage
15	Drop Out Voltage	:	15% of Nominal voltage
16	Electrical Life	:	Min. 100,000 operations at full rated voltage
17	Mechanical Life	:	Min. 200,000 operations at full rate voltage
18	Operating Temperatures	:	- 20 degree C to + 60 degree C
19	Storage Temperatures	:	- 20 degree C to + 100 degree C
20	Coil Voltages	:	24V DC
21	Coil Resistance	:	773 Ohms +/- 10 ohms
22	Dimension (L x W x H)	:	28.8 x 12.5 x 35.4 mm

Relay Features

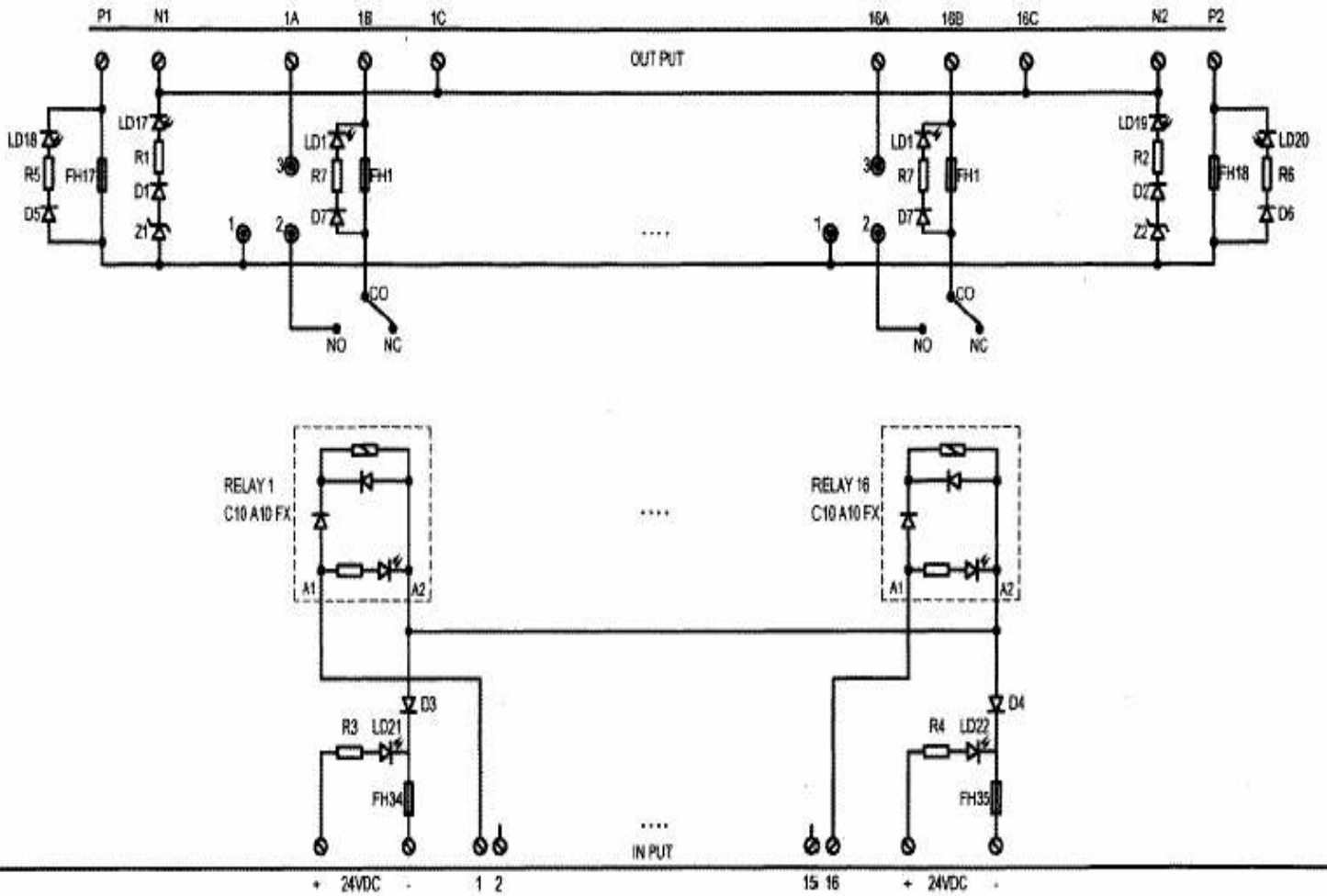
1	Industrial 4.75mm Faston terminals
2	Marking Lable (to indicate relay number etc...)

Socket Specifications

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

Series : PI1601SBJA24VDC

16 CHANNEL OUTPUT RELAY MODULE CIRCUIT DIAGRAM



WET / POTENTIAL CONTACT
 JUMPER POINTS 1 & 2
 OUTPUT BETWEEN 1B & 1C

DRY / POTENTIAL FREE CONTACT
 JUMPER POINTS 2 & 3
 OUTPUT BETWEEN 1A & 1B

WET / POTENTIAL CONTACT
 JUMPER POINTS 1 & 2
 OUTPUT BETWEEN 16B & 16C

DRY / POTENTIAL FREE CONTACT
 JUMPER POINTS 2 & 3
 OUTPUT BETWEEN 16A & 16B

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