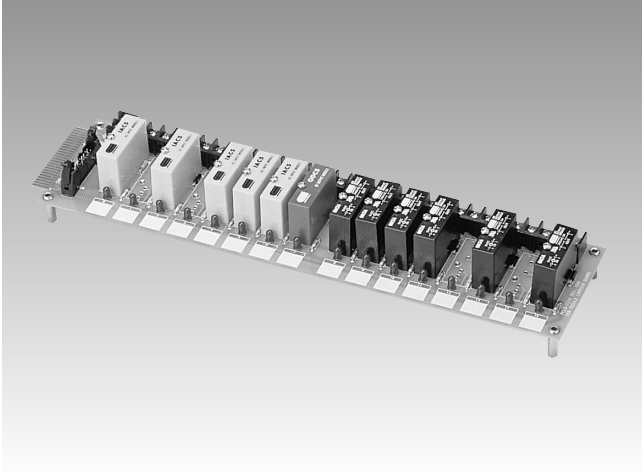


PCLD-7216

16-channel SSR I/O Module Carrier Board



Features

- Optically isolated inputs and outputs between computer and field devices
- Channel status reflected by on-board LED for easy monitoring
- Onboard fuse protection

Board

- Logic side connectors: 50-pin edge connector, Opto-22 compatible
- Dimensions: 367 mm (L) x 111 mm (W) x 56 mm (H) (14.4" x 4.4" x 2.2")

Introduction

The PCLD-7216 is an SSR I/O module carrier board that holds any combination of up to 16 SSR I/O modules. Each channel is equipped with two screw terminals for field connections. The PCLD-7216 can be connected to the PCL-722, PCL-724, or PCL-731 via its Opto-22 compatible 50-pin edge connector.

Specifications

Module type		Field side		Logic side
Output modules	Part No.	Output voltage rating	Output current rating	Input logic and SSR status
AC output	PCLM-OAC5A	24 ~ 280 V _{AC}	3.0 A _{AC}	TTL low (On)
		12 ~ 280 V _{AC}		TTL high (Off)
DC output	PCLM-ODC5	5 ~ 60 V _{AC}	3.0 A _C	TTL low (On)
				TTL high (Off)
Input modules	Part No.	Input On voltage	Input Off voltage	Output logic & On/Off status
AC input	PCLM-IAC5	90 ~ 140 V _{AC}	< 45 V _{AC}	TTL low (On)
				TTL high (Off)
	PCLM-IAC5A	180 ~ 280 V _{AC}	< 80 V _{AC}	TTL low (On)
				TTL high (Off)
DC input	PCLM-IDC5B	3 ~ 32 V _{AC}	< 1 V _{AC}	TTL low (On)
				TTL high (Off)

Input Modules

Field Side

- Turn on/off time
IAC5 series: 20 msec. max.
IAC5A series: 20 msec. max.
IDC5B series: 100 msec. max.
- Input on/off voltage range
IAC5 series: 90 ~ 140 V/45 V_{RMS}
IAC5A series: 180 ~ 280 V/80 V_{RMS}
IDC5B series: 3 ~ 32 V/1 V_{DC}
- Input resistance
IAC5 series: 14 K Ω
IAC5A series: 44 K Ω
IDC5B series: 1.5 K Ω

Logic Side

- Supply voltage: 4 ~ 6 V
- Supply current: 12 mA max.
- Output current: 100 mA max.
- Output voltage drop: 0.4 V max.
- Breakdown voltage: 30 V_{DC}

Output Modules

Field Side

- Turn on/off time
OAC series: 1/2 AC cycle max.
ODC series: 100 μ sec/750 μ sec. max.

- Current rating: 3 A max. (@ 25° C)
- Contact voltage drop: 1.6 V max.

Logic Side

- Supply voltage: 4 ~ 6 V
- Supply current: 12 mA max.
- Input resistance: 220 Ω

Ordering Information

- PCLD-7216: 16-channel SSR I/O Module Carrier Board, one 1.2-m, 50-pin flat cable (PCL-10151-1.2), one 1-m 20-pin flat cable (PCL-10120-1) and user's manual

Block Diagrams

