

PCI-PDISO8

Specifications



**MEASUREMENT
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Specifications

Typical for 25°C unless otherwise specified.

Specifications in *italic text* are guaranteed by design.

Relay specifications

Table 1. Relay specifications

Number	8
Contact configuration	5 FORM C (SPDT) RELAY 0 through RELAY 4 3 FORM A (SPST) RELAY 5 through RELAY 7
Contact rating	6 A @ 120 VAC or 28 VDC resistive (see connector rating below)
Contact resistance	100 milliohms max
Operate time	20 milliseconds max
Release time	10 milliseconds max
Vibration	10 to 55 Hz (Dual amplitude 1.5 mm)
Shock	10 G (11 milliseconds)
Dielectric isolation	500 V (1 minute)
Life expectancy	10 million mechanical operations, min
Power on RESET state	Not energized. NC in contact to Common.

Isolated inputs

Table 2. Isolated input specifications

Number	8
Isolation	500 V
Resistance	1.6 k Ohms min.
Voltage range	DC: 5 to 28 V (Not TTL compatible) AC: 5 to 28 V (50 to 1000 Hz)
Input 'High' level	>5V min (positive or negative input voltage - not TTL compatible)
Input 'Low' level	<2.5V max (positive or negative input voltage)
Response	w/o filter: 20 μ S w/filter: 5 mS
Filters	Time constant: 5 mS (200 Hz) Filter control: Software programmable at each input Power-up /reset: Filters off

Power consumption

Table 3. Power consumption specifications

+5 V Power	All relays off: 0.4 A typical
	All relays on: 1 A typical

Environmental

Table 4. Environmental specifications

Operating temperature range	0 to 70 °C
Storage temperature range	-40 to 100 °C
Humidity	0 to 90% non-condensing

Main connector and pin out

Table 5. Main connector specifications

I/O connector type	37-pin D connector
Compatible cable	C37FF-x, where x = length in feet C37FFS-x, where x =5 or 10 feet
Compatible accessory products (with the C37FFS-x and C37FF-x cables)	CIO-MINI37 SCB-37
Max current	5 A

Table 6. Connector pin out

Pin	Signal Name	Pin	Signal Name
1	Input 7A	20	Input 7B
2	Input 6A	21	Input 6B
3	Input 5A	22	Input 5B
4	Input 4A	23	Input 4B
5	Input 3A	24	Input 3B
6	Input 2A	25	Input 2B
7	Input 1A	26	Input 1B
8	Input 0A	27	Input 0B
9	Relay 7 (C)	28	Relay 7 (NO)
10	Relay 6 (C)	29	Relay 6 (NO)
11	Relay 5 (C)	30	Relay 5 (NO)
12	Relay 4 (NC)	31	Relay 4 (C)
13	Relay 4 (NO)	32	Relay 3 (NC)
14	Relay 3 (C)	33	Relay 3 (NO)
15	Relay 2 (NC)	34	Relay 2 (C)
16	Relay 2 (NO)	35	Relay 1 (NC)
17	Relay 1 (C)	36	Relay 1 (NO)
18	Relay 0 (NC)	37	Relay 0 (C)
19	Relay 0 (NO)		

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