SPECIFICATIONS

PC104-PDISO8

Isolated Inputs, Relay Outputs

Revision 3, October, 2000

Power Consumption

+5V supply	0.11 A typical with all relays off. 0.4 A typical with all relays on.

Output Relay Specifications

Number	8
Contact arrangement	5 form C, Relay 0 to Relay 4 3 form A, Relay 5 to Relay 7
Contact rating (resistive load)	0.4 A @ 120VAC or 2 A @ 30VDC
Contact resistance	0.050 Ohms max.
Coil resistance	125 Ohms
Operate time	5 ms
Release time	5 ms max.
Isolation	
Between open contacts	1000VAC, 50/60HZ, 1 min.
Between coil and contacts	1500VAC, 50/60HZ, 1 min.
Life Expectancy	
Mechanical	100,000,000 Operations
Electrical	500,000 Operations @ Full Load

Isolated Inputs

Number	8
Type	Non-polarized, optically isolated (NOT TTL compatible)
Range	
DC	±24V
AC (50 to 1 kHz)	±24V
Input 'High' level	>5V minimum (positive or negative input voltage)
Input 'Low' level	<2.5V maximum (positive or negative input voltage)
Isolation	500V
Resistance	455 Ohms minimum
Response	20 µs w/o filter 5 ms w/ filter
Filters	
Time constant	5 ms (200 Hz)
Filter control	Each input individually switch-selectable

Connector

Connector type	40-pin male header (optional cable available to translate 40-pin connector to 37-pin connector compatible with CIO-PDISO8)
Dielectric Strength	1000Vrms
Current Rating	1 A

Environmental

Operating temperature	0 to 50 deg. C
Storage temperature	–20 to 70 deg. C
Humidity	0 to 90% non-condensing

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