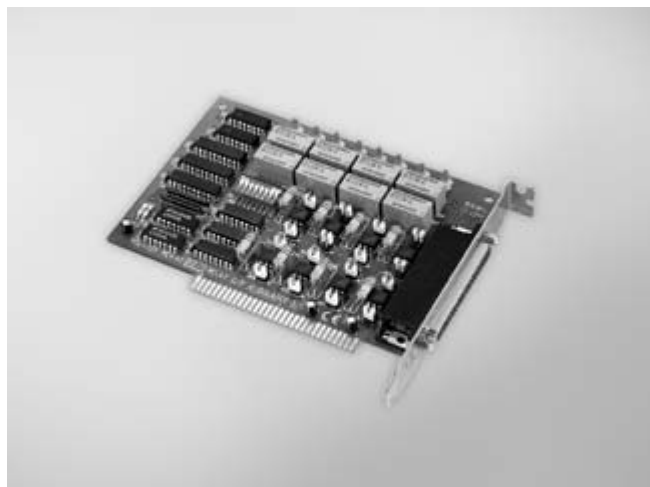


PCL-725

8-ch Relay and 8-ch Isolated Digital Input ISA Card



Features

- 8 x relay output channels and 8 x isolated digital input channels
- LED indicators to show activated relays
- 4 x Form C and 4 x Form A type relay output channels
- Male DB37 matching connector included
- Output status readback

Introduction

The PCL-725 relay actuator and isolated digital input card offers 8 relay actuators and 8 opto-isolated digital inputs on a single board. Typically, the onboard relays can serve as on/off control devices or small power switches. The 8 x opto-isolated DI channels are ideal devices for collecting digital inputs under noisy environment or floating potential. Also, the 8 x isolated inputs provide the best method to prevent any ground loop problems.

For easy monitoring, each relay is equipped with one red LED to reflect its on/off status. Each input channel is jumper selectable to either isolated or non-isolated input. Access to input and output channels is made possible through an onboard 37-pin D type connector.

Specifications

Isolated Digital Input

- Channels 8
- Input Voltage 5 ~ 24 V_{DC}
- Isolation Protection 1,500 V_{DC}
- Input Resistance 560 Ω
- Input Current 60 mA max.

Non-isolated Digital Input

- Channels 8 (Jumper-selectable)
- Input Voltage Logic 0: 0.8 V max.
Logic 1: 2.0 V min. (5.25 V max.)

Relay Output

- Channels 8
- Relay Type SPDT (4 x Form C and 4 x Form A)
- Contact Rating 120 V_{AC} @ 0.5 A, or 30 V_{DC} @ 1 A
- Relay on Time 8 ms max.
- Relay off Time 8 ms max.
- Life Span 1 x 10⁷ operations
- Resistance Contact: 50 mΩ
Insulation: 100 MΩ min.

General

- Bus Type ISA
- I/O Connectors 1 x DB37 female connector
- Dimensions (L x H) 147 x 100 mm (5.75" x 3.9")
- Power Consumption 5 V @ < 0.2 A; 12 V @ 33 mA for each relay
< 0.27 A if all eight relays are energized
- Operating Temperature 0 ~ 60° C (32 ~ 140° F) (IEC 68-2-1, 2)
- Storage Temperature -20 ~ 70° C (-4 ~ 158° F)
- Storage Humidity 5 ~ 95 % RH, non-condensing (IEC 68-2-3)

Ordering Information

- PCL-725 8-ch Relay/Isolated Digital Input ISA Card
- PCL-10137-1 DB37 Cable, 1 m
- PCL-10137-2 DB37 Cable, 2 m
- PCL-10137-3 DB37 Cable, 3 m
- ADAM-3937 DB37 DIN-rail Wiring Board
- PCLD-880 Wiring Board w/ Two 20-pin Flat Cables & Adapter



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