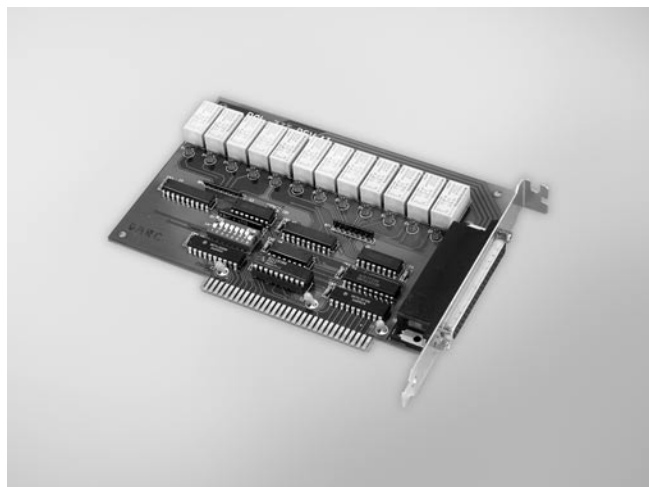


PCL-735

12-ch Relay ISA Card with 16-ch Digital I/O



Features

- 12 relay outputs
- LED indicators to show activated relays
- Male DB37 matching connector included
- Output status readback

Introduction

Ideal for applications such as on/off control or signal switching, the PCL-735 12-channel relay actuator provides 12 SPDT relays on a half-size card. The on/off status of each relay is easy to monitor. A red LED next to each relay shows its on/off status, and the software can read each relay's status. An onboard DB-37 connector provides access to all output channels.

Specifications

Relay Output

- **Channels** 12
- **Relay Type** SPDT, Form C
- **Contact Rating** 2 A @ 30 V_{DC}, 1 A @ 125 V_{AC}
- **Relay on Time** 5 ms typical
- **Relay off Time** 5 ms typical
- **Life Span** > 5 x 10⁵ operations @ 30 V_{DC} and 2 A
> 2 x 10⁶ operations @ 30 V_{DC} and 1 A
- **Resistance** Contact: 50 MΩ
Insulation: 1 GΩ @ 500 V_{DC} min.

General

- **Bus Type** ISA
- **I/O Connectors** 1 x DB37 female connector
- **Dimensions (L x H)** 155 x 100 mm (6.1" x 3.9")
- **Power Consumption** Typical: +5 V @ 280 mA
Max.: +12 V @ 200 mA
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

Ordering Information

- **PCL-735** 12-ch Relay ISA Card w/ 16-ch Digital I/O
- **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

Pin Assignments

NO 0	1	20	NO 6
COM 0	2	21	COM 6
NC 0	3	22	NC 6
NO 1	4	23	NO 7
COM 1	5	24	COM 7
NC 1	6	25	NC 7
NO 2	7	26	NO 8
COM 2	8	27	COM 8
NC 2	9	28	NC 8
NO 3	10	29	NO 9
COM 3	11	30	COM 9
NC 3	12	31	NC 9
NO 4	13	32	NO 10
COM 4	14	33	COM 10
NC 4	15	34	NC 10
NO 5	16	35	NO 11
COM 5	17	36	COM 11
NC 5	18	37	NC 11
N/A	19		