Terminal Board with 16-CH Isolated Digital Inputs


## Specifications

- Isolated Digital Input
- Number of Channels: 16
- Maximum Input Range: 24 V , non-polarity
- Digital Logic Levels
- 0 to 24 V , non-polarity
* Input High Voltage: 5 to 24 V
* Input Low Voltage: 0 to 0.7 V
- Input Resistance: 560 @ @ I W
- Isolation Voltage: 2500 VRMS
- I/O Connector: 20-pin ribbon male
- Operating Temperature: $0^{\circ} \mathrm{C}$ to $+60^{\circ} \mathrm{C}$
- Storage Temperature: $-20^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$
- Relative Humidity: $5 \%$ to $95 \%$, non-condensing
- Dimensions: $205 \mathrm{~mm} \times 114 \mathrm{~mm}$


## Ordering Information

## - ACLD-9182A-01

Terminal board with $16-\mathrm{CH}$ isolated digital inputs

## - Accessories

- Cabling

ACL-10120-I: 20-pin flat cable, I M
ACL-I0220-I: 20-pin shielded and grounded cable, I M
Contact your sales representative for cable length options.

## Features

- 16-CH opto-isolated digital inputs
- For use with 20 -pin ribbon digital input connector of NuDAQ cards
- Non-polarity digital input range
- Isolated input voltage up to 24 V
- 5000 Vrms optical isolation
- Jumper configurable for voltage input or dry-contact input mode
- LED indicator for input status
- Screw terminals for easy field wiring


## Specifications

- Relay Output
- Number of Channels: 16
- Relay Type: SPDT (Form C)
- Isolation Voltage: I 500 VRMS
- Contact Rating
- AC: $120 \mathrm{~V} @ 0.5 \mathrm{~A}$
-DC: 24V@1A
- Breakdown Voltage: 1000 VRMS
- Contact Resistance: $100 \mathrm{~m} \Omega$
- Relay ON/OFF time
- Operate Time: 6 ms
- Release Time: 3 ms
- LED Indicators for Relay Status: one per channel
- Expected Life:
- $>5 \times 10^{5}$ operations @ $1 \mathrm{~A}, 24 \mathrm{VDC}$
$\rightarrow>2 \times 10^{5}$ operations @ $0.5 \mathrm{~A}, 120 \mathrm{VAC}$
- I/O Connector: 20-pin ribbon male
- Operating Temperature: $0^{\circ} \mathrm{C}$ to $+60^{\circ} \mathrm{C}$
- Storage Temperature: $-20^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$
- Relative Humidity: 5\% to $95 \%$, non-condensing
- Power Consumption:

| +5 V | +12 V |
| :---: | :---: |
| 200 mA maximum | 528 mA maximum |

- Dimensions: $205 \mathrm{~mm} \times 114 \mathrm{~mm}$


## Features

$\square$ I6-CH single-pole, double-throw (SPDT form C ) relay outputs
$\square$ For use with 20-pin digital input connector of NuDAQ cards

- Maximum switching voltage up to 60 VdC/I20 VAC
- Maximum switching current up to I ADC/AC
- Onboard relay driver circuitry

LED indicators for relay status

## Ordering Information

## - DIN-96DO-0I

96-CH isolated DO terminal board with
DIN-rail mounting

## - Accessory

- Cabling

ACL-102 I00-I: I00-p in SCSI-II cable, I M
Contact your sales representative for cable length options.

