Digital Modules

ND-6050

Digital I/O Module

Digital Input
- Channels: 7
- Switching Level: TTL
- Internal Pull-Up Resistor: 10 kΩ
- Maximum Current: 0.5 mA
- Programmable input polarity

Digital Output
- Channels: 8
- Maximum Current Sink: 50 mA
- Maximum Power Dissipation: 300 mW
- Programmable output polarity
- Programmable power on/safety state

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 0.336 W typical

ND-6052

8-CH Isolated Digital Input Module

Digital Input
- Channels: 8
  - 6 independent isolated channels
  - 2 isolated channels with common ground
- Switching Levels
  - Low (0): +1 V (max.)
  - High (1): +3.5 V to +24 V
- Internal Current Limit Resistor: 1.2 kΩ
- Isolated Voltage: 5,000 VRMS
- Programmable input polarity

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 0.264 W

ND-6053

16-CH Digital Input Module

Digital Input
- Channels: 16
- Dry Contact
  - Logical level 0: close to GND
  - Logical level 1: open
  - Effective distance: 500 m (max)
- TTL Contact
- Internal Pull-Up Resistor: 10 kΩ
- Programmable input polarity

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 0.408 W typical

ND-6054

15-CH Isolated Digital Input Module

Digital Input
- Channels: 15-bit digital input with 24 V external common power
- Switching Level:
  - Low (0): +1 V (max.)
  - High (1): +3.5 V to +24 V
- Internal Pull-Up Resistor: 1.2 kΩ
- Isolated Voltage: 5,000 VRMS
- Programmable input polarity

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 0.216 W typical

ND-6056

15-CH Isolated Digital Output Module

Digital Output
- Channels: 15-bit digital open collector output with common ground
- Maximum Load Current: 300 mA
- Isolated Voltage: 3,750 VRMS
- Programmable input polarity

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 1.32 W