ND-6058

28-CH PPI Module



Programmable I/O
- 8255 programmable peripheral interface mode 0 emulation
- Channel: 24
- Input Signal
  - TTL level
- Internal Pull-Up Resistor: 10 kΩ
- Maximum Current: 0.5 mA
- Output Signal
  - TTL level

Digital Input
- Channels: 4
- TTL level

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 1.488 W typical

Connector
- 50-pin female SCSI II

ND-6063

8-CH Relay Output Module



Relay Output
- Channels: 8 independent relay outputs
- Output Type: 8 form A
- Contact Rating
  - DC 1 A / 30 V
  - ON/OFF interval time: 3 ms (at 20°C)
- Internal Insulation
- Resistance: 1000 MΩ @ 500 VDC
- Expected Life: 2 x 105 (1 A 30 VDC resistive at 20 cpm)

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 1.416 W typical

ND-6067

8-CH AC Relay Output Module



Relay Output
- Channels: 5 independent relay outputs and 3 common source replay outputs
- Output type: 8 form A
- Contact rating:
  - AC 3 A / 250 V
  - DC 3 A / 30 V
- ON/OFF time interval: 6 ms/3 ms
  - Operate time: approx. 6 ms
  - Release time: approx. 3 ms
- Insulation resistance: 1000 MΩ minimum (at 500 VDC)
- Expected Life: 2 x 105 (3 A 250 VAC, 3 A 30 VDC at 20 cpm)

Power
- Power Requirement: +10 V to +30 VDC Unregulated with against power reversal
- Power Consumption: 1.392 W typical

ND-6060

Relay Output & Digital Input Module



Relay Output
- Channels: 4 relay outputs
- Output Type: 2 form C and 2 form A
- Contact Rating: AC: 0.5 A / 125 V; DC: 1 A / 30 V, 0.3 A / 110 V
- ON/OFF Interval Time: 3 ms
- Internal Insulation Resistance: 1000 MΩ @ 500 VDC
- Expected Life: 2 x 10^5 (1 A 30 VDC resistive at 20 cpm)
- Programmable output polarity
- Programmable output power on/safety state

Digital Input
- Channels: 4
- Common External Voltage: +24 V
- Current Limit Resistor: 2.2 kΩ
- Isolation Voltage: 5000 VRMS
- Input Type: dry contact
- Programmable input polarity

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 0.84 W typical

ND-6080

2-CH Counter/Frequency Input Module



Counter Inputs
- Channels: Two independent 32-bit counter
- Input Frequency: 20 KHz max.
- Input Mode: isolated or non-isolated
- Isolation Voltage: 5000 VRMS
- Isolation Input Level
  - Logical level 0: +1 V max
  - Logical level 1: 3.5 V to 30 V
- Current Limit Resistor: 1.2 kΩ
- Non-isolated Input Level programmable threshold
  - Logical l level 0: 0 V to +5 V (default = 0.8 V)
  - Logical level 1: 0 V to +5 V (default = 2.4 V)
- Input Pulse Width: > 5 μs
- Max Count: 4,294,967,295 (32-bit)
- Programmable Digital Noise Filter: 4 μs to 1.02 ms
- Alarm: alarm comparator on each counter

Frequency Measurement
- Range: 1 Hz to 20 KHz
- Programmable built-in gate time: 1.0 / 0.1 s

Digital Output
- Channels: 2
- Open collector to 30 V, 30 mA max. load

Power
- Requirement: unregulated +10 V to +30 VDC
- Power Consumption: 2.016 W

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