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# N2264A Multifunction Module

**Product Specifications**
12-channel GP Relay

**General Specifications**
Relays: Armature non-latching relay
Thermal Offset: <3µV
Relay Life (mechanical): $10^{8}$

**Input Characteristics**
Maximum Voltage: 200V
Maximum Current:
Per channel: 1A
Maximum Power:
Per channel: 60W; 62.5VA
Initial Closed Channel Resistance: <0.5 Ohm

**DC Isolation**
Open Channel, Channel-Channel:
<(40°C, 60% RH): >$10^{10}$ Ohm
Channel-Chassis:
<(40°C, 60% RH): >$10^{10}$ Ohm

**AC Isolation**
Capacitance (with 1 channel closed):
Open Channel, Channel-Channel: <10pF
Channel-Chassis: <20pF
Insertion Loss ( with 50 Ohm termination):
100kHz: <0.10dB
1MHz:<0.20dB
10MHz: <0.50dB
Crosstalk ( with 50 Ohm termination):
100kHz: <-70dB
1MHz: <-50dB
10MHz: <-30dB

*Note: All voltage and current are in DC or AC RMS if not specified*

3-channel High Current Relay

**General Specifications**
Relays: Armature non-latching relay
Relay Life Mechanical: $5x10^{7}$
<3µ VTime to close one channel: 16 ms

**Input Characteristics**
Maximum Voltage: 125V DC or 200 V AC
Maximum Current: 5A (per channel)
Maximum Power: 150W; 1250 VA
Initial Closed Channel Resistance: <0.1 Ohm

**DC Isolation**(<40°C, 60% RH):
Open Channel, Channel-Channel: >$10^{10}$ Ohm
Channel-Chassis: >$10^{10}$ Ohm

**AC Isolation**
Capacitance (with 1 channel closed):
Open Channel, Channel-Channel: <10pF
Channel-Chassis: <20pF
Insertion Loss ( with 50 Ohm termination):
100kHz: <0.10dB
1MHz:<0.20dB
10MHz: <0.50dB
Crosstalk ( with 50 Ohm termination):
100kHz: <-70dB
1MHz: <-50dB
10MHz: <-30dB

*Note: All voltage and current are in DC or AC RMS if not specified*

16-bit Digital I/O

**I /O Lines**
Maximum Voltage(line-chassis): +42V DC
Maximum sink current(per bit): 0.6A
Output Characteristics:
Vout (high): > 2.4V @ I< 10mA Output
Vout (low): < 0.8V @ I< 600mA input
Input Characteristics:
Vin (high):> 2.0V
Vin (low) :< 0.8V

**Handshake Lines**
Max. Voltage (line-chassis): +5V
Max. Iout (low): <25 mA (when shorted to +5V)
Output Characteristics:
Vout (high) > 2.4V @ I< 400uA Output
Vout (low) < 0.5V @ I< 1mA input
Input Characteristics:
Vin (high) > 2.0V
Vin (low) < 0.8V

**Accessories**
N2294A Screw Terminal block
N2296A Crimp & insert terminal block
N2297A DIN96-to-Twin-D50 cable
N2299A DIN96-to-Quad-D25 cable

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