



MVXI1460 64 Channel Relay Multiplexer

Specifications

64 latching relays that may be configured as:

- 64 channel 2-wire relay channels
- 32 channel 3-wire relay channels
- 32 channel 4-wire relay channels

The VXIbus main board front panel connectors are connected to a QUIC terminal block to configure the unit for the desired relay matrix.

VXI Characteristics

VXI Device Type: Register based A16, Slave
Size: C
Slots: 1
Connectors: P1/P2

Input Specifications

DC: 200V
AC rms: 170V
Peak: 238V p-p
Max Current: 2Adc / 2 Aac peak per channel

Relay Specifications

Relay close time: 4ms max
Min. relay life: 5x10E6 operations
Closed channel resistance: <1.5 ohms

Environmental

Operating Temperature: -20 to 85 °C
Storage Temperature: -40 to 125 °C
Shock: 25g, 11ms on all axis

Channel to Channel Crosstalk at 100kHz:

1 Wire -60 dB
2 Wire -90 dB

Closed Channel Capacitance (<10kHz)

Hi to Lo: <650pF
Lo to Chassis: <700pF

Minimum Bandwidth

-3 dB, ZL=Zx=50 Ohm: 10MHz

The Merlin MVXI-1460 is a true drop in replacement for the Keysight/Agilent/HP E1460A relay module. The user is not required to change any software or cabling.

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