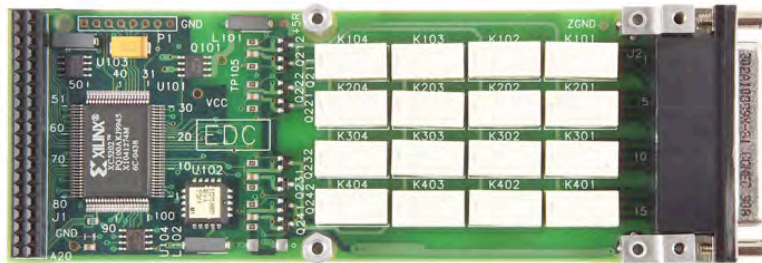




M225 Quad 4 x 1 Multiplexer M Module



The M225 provides 16 independent latching SPST switches configured as quad 4 x 1 multiplexers. The switches have maskable interrupts that occur when the requested relay movements have been made. The module also has a FIFO for storing up to eight relay operations. This M Module is useful when instrument multiplex switching is needed in your system.

Specifications:

Inputs:

Maximum Voltage (terminal to terminal or chassis)**

| | |
|----------|----------|
| DC: | 60V/200V |
| AC rms: | 48V/125V |
| AC peak: | 68V/175V |

Maximum Current (non-inductive) Per Switch/Per Module:

| | |
|----------|-------|
| DC: | 2A/8A |
| AC peak: | 2A/8A |

Maximum Power Per Switch/Per Module:

| | |
|-----|------------|
| DC: | 50W/200W |
| AC: | 50VA/200VA |

DC Characteristics**:

| | |
|------------------------|----------------|
| Thermal Offset: | <3_V (typical) |
| Contact Resistance: | <0.2_ |
| Insulation Resistance: | 10E8 _ |

** See manual for conditions

AC Characteristics:

| | |
|---------------------|---------------|
| Bandwidth (-3dB): | >10 MHz (typ) |
| Crosstalk (typical) | |
| <100 KHz: | <-64 dB |
| <1 MHz: | <-44 dB |
| <10 MHz: | <-24 dB |

Closed channel capacitance:

| | |
|------------|------------------|
| Ch-to-Ch: | <15 pF (typical) |
| Ch-to-com: | <25 pF (typical) |

Typical Relay Life at Rated Load:

10E5 operations

Time to open or close:

8 msec

Connectors:

44 pin DSUB (Female)

Temperature:

| | |
|------------|---------------|
| Operating: | 0°C to 55°C |
| Storage: | -40°C to 75°C |

Power:

+5V @ 0.2 A

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

| | |
|----------------|-------|
| Data Transfers | 8 bit |
| Interrupts | INTC |

Compatible with VXI, VME, PCI, PXI, CPCI & Ethernet Carriers

Applications

- LF Signal Multiplexing
- Common Ground Multiplexer

Ordering Information

Part Number 11029600-0001

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.