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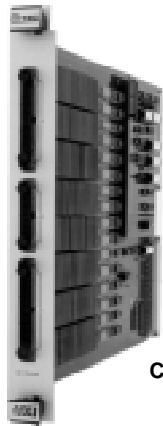
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## CY/64x2 SINGLE POLE MATRIX VXI C-SIZE SWITCH MODULE

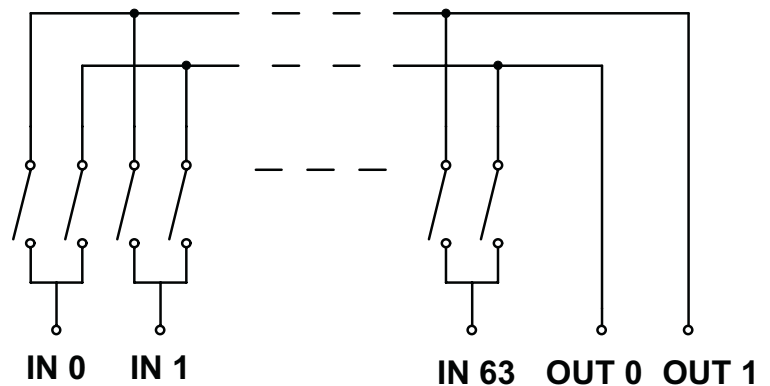
The CY/64x2 is a bidirectional reed relay matrix and is designed for general purpose switching applications. The module can be configured in a variety of different ways. The users can specify the configuration which most closely matches their requirements. All CYTEC VXI Modules use both Message and Register based operation.

### DETAILED DESCRIPTION

The CY/64x2 Matrix contains 128 single pole reed relays arranged as eight banks of 8x2 matrices. These banks may be used individually or combined via internal pin jumpers to form larger Nx2 matrices. External wiring added by the user provides many other configurations, such as two 16x4 matrices or a single 32x4. Any number of relays may be closed simultaneously, and the status of all relays may be read at any time.



CY/64x2-S



### AVAILABLE MODELS

- CY/64x2-S with Type S Standard Dry Reed Relays.
- CY/64x2-M with Type M Mercury Weed Reed Relays.

### CONNECTORS

- Two 34 Pin Headers (128 Individual "Inputs")
- One 20 Pin Header (16 total "Outputs" - one from each of eight 8x2 matrices.)

### RELAY SPECIFICATIONS

	Type S	Type M
Contact Rating	10VA	50VA
Max. Switch Voltage	200V	500V
Max. Switch Current	0.5A	2.0A
Max. Carry Current	1.0A	2.0A
Breakdown Voltage	400V	1000V
Operate Time, less than	1ms	2ms
DC Isolation - Ohms	10 <sup>12</sup>	10 <sup>12</sup>

### SPECIFICATIONS

<b>POWER</b>	+5 Volts, less than 1.2 Amp +12 Volts, 25 mA per relay
<b>BANDPASS</b>	DC to 50 MHz (-3dB) - One 8x2 Bank
<b>ISOLATION/CROSSTALK</b>	<-50 dB at 10 MHz

### WARRANTY

CYTEC Corp. warrants that all products are free from defects in workmanship and materials for a period of 5 years. Reed relays are guaranteed for 100 million operations when used within their published specifications.



Member of the VXI Plug and Play Alliance..

FOR TECHNICAL ASSISTANCE CONTACT 1-800-346-3117 or WWW.CYTEC-ATE.COM

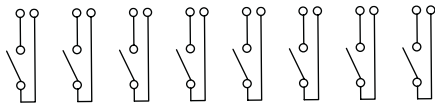
## CY/64K & CY/64KC

### VXI C-SIZE INDIVIDUAL RELAY SWITCH MODULES

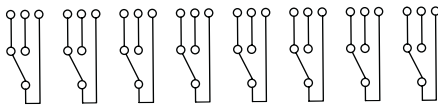
Each of these VXI Switch Modules provides 64 individual switch points. The CY/64K supplies 64 Form A reed relays, while the CY/64KC furnishes 64 Form C general purpose armature relays. Any number or relays may be closed simultaneously and relay status may be read at any time. All CYTEC products utilize both Register and Message based operation.

#### DETAILED DESCRIPTION

- **CY/64K** holds 64 separate single pole Form C Type S Standard or Type M Mercury reed relays. Each contact set is individually wired to 34 pin front panel connectors.
- **CY/64KC** is built with 64 individual high sensitivity, low thermal offset single pole Form C Type A armature relays for switching instrumentation level signals. The Normally Open, Normally Closed and Common contacts of all relays are wired out to 50 pin header connectors. Thermal Offsets are less than five microvolts.



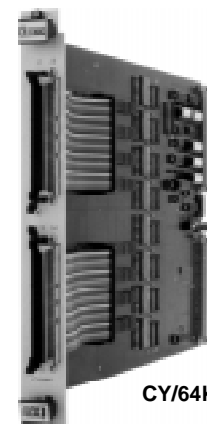
Form A Relays - CY/64K



Form C Relays - CY/64KC



CY/64K



CY/64KC

#### AVAILABLE MODELS

- **CY/64K-S** - Form A Type S Standard Reed Relays
- **CY/64K-M** - Form A Type M Mercury Reed Relays
- **CY/64KC** - Form C Type A Armature Relays

#### CONNECTORS

- **CY/64K** - Four 34 Pin Header Connectors
- **CY/64KC** - Four 50 Pin Header Connectors



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#### WARRANTY

CYTEC Corp. warrants that all products are free from defects in workmanship and materials for a period of 5 years. Reed relays are guaranteed for 100 million operations when used within their published specifications.

#### SPECIFICATIONS

<b>POWER</b>	+5 Volts, less than 1.2 Amp
<b>CY/64/K</b>	+12V, 15 mA per energ. relay
<b>CY/64/KC</b>	+12V, 20 mA per energ. relay
<b>BANDPASS</b>	DC to 40 MHz (-3dB)
<b>INSERTION LOSS</b>	less than 0.1 dB at 1 MHz
<b>ISOLATION/CROSSTALK</b>	less than -40 dB at 1 MHz

#### RELAY SPECIFICATIONS

	Type S	Type M	Type A
Contact Rating	10VA	50VA	30VA
Max. Switch Voltage	200V	500V	110V
Max. Switch Current	0.5A	2.0A	1.0A
Max. Carry Current	1.0A	2.0A	1.0A
Breakdown Voltage	0.5A	2.0A	1.0A
Operate Time, less than	1ms	2ms	3ms
Lifetime, Mechanical	10 <sup>8</sup>	10 <sup>8</sup>	10 <sup>8</sup>
Lifetime, Full Load	10 <sup>8</sup>	10 <sup>8</sup>	2x10 <sup>5</sup>

FOR TECHNICAL ASSISTANCE CONTACT 1-800-346-3117 or WWW.CYTEC-ATE.COM