



FOUR POLES CRYSTAL CAN RELAY 2 AMPERE

**Series
4B**

Product Description

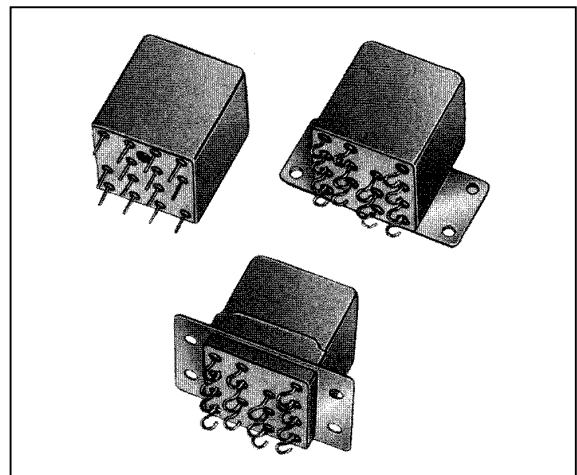
A four poles relay design, compatible with the popular 0.2 grid pin spacing. The design employs a common actuator system to each of the four double poles, double throw contacts, and provides reliable simultaneous operation of each pole. Powered by a wide latitude of coil resistance providing sensitivity of 100 milliwatts per contacts. Switching capabilities from low level to 2 amperes. Environmental stability to the extreme temperatures.

The following construction features ensure the highest reliability in extreme environments:

- All welded relay construction
- Cleaning and sealing techniques ensures maximum internal cleanliness
- Low level to 2 amperes switching
- 4 form C, 4PDT contacts, special metal alloy with gold plating

Series Type

- **4B** 4 form C, 4PDT



Environmental and Physical Specifications

Temperature (Ambient)	- 65°C to + 125°C
Shock	100 g, 6 msec.
Vibration (sinusoidal)	20 g, 10 to 2000 Hz
Acceleration	30 g
Sealing	All welded, Hermetic
Weight	1,0 oz. (28,35 grams) max.

Electrical Characteristics (over the Temperature range. Unless otherwise noted)

Coil Data	See Typical Characteristics chart		
Contact Rating	Type Load	Contact Load	Cycles min.
(Note: All ratings with grounded case)	Low Level	10 mA / 30 mV	1.000.000
	Resistive	2 A / 28 Vdc	100.000
		1 A / 115Vac, 400 Hz	100.000
		0,3 A / 115 Vac, 60 Hz	100.000
Overload	4 A / 28 Vdc	100	
Inductive	0,75 A / 28 Vdc (200 mH)	100.000	
Contact Resistance	0,05 Ω max. initial		
Operate Time	6,0 msec. max. at 25°C		
Release Time	4,0 msec. max. at 25°C		
Contact Bounce	3,0 msec. max. at 25°C		
Dielectric Strength	1.000 Vrms min., 60 Hz, all points, 500 Vrms min. between open contacts and coil to case, at sea level		
Insulation Resistance	1.000 MΩ min. all points at 500 Vdc		
Intercontact Capacitance	2,5 pF between contacts		
Sensitivity	400 mW at pick-up, 1,2 W typical at nominal rated coil voltage, at 25 °C		



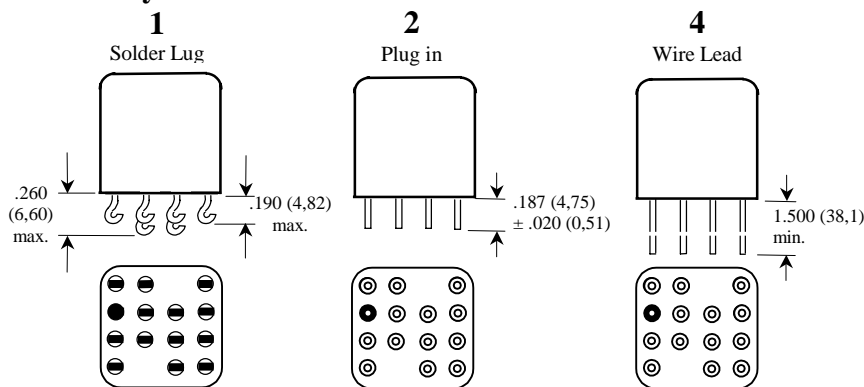
FOUR POLES CRYSTAL CAN RELAY 2 AMPERE

Series 4B

Typical Characteristics (over the Temperature range. Unless otherwise noted)

Voltage Code	Coil Voltage		Coil Resistance ± 10% at 25°C	Pick-up Vdc Max. at 25°C	Drop-out Vdc Min. at 25°C
	Nominal	Max.			
106	6,0	7,2	30	3,5	0,5
112	12,0	14,4	125	7,0	1,0
126	26,5	32,0	570	15,0	2,0
148	48,0	58,0	2000	28,0	3,0
176	76,0	90,0	4500	44,0	4,0
215	115,0	125,0	9500	66,0	5,0

Terminal Styles

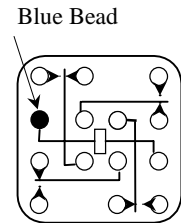


Note:

- Dimensions are shown in inches (millimetres)

- Terminal spacing is .200 (5,08). Terminal diameter is .030 (0,76) + .003 (0,08) - .002 (0,05)

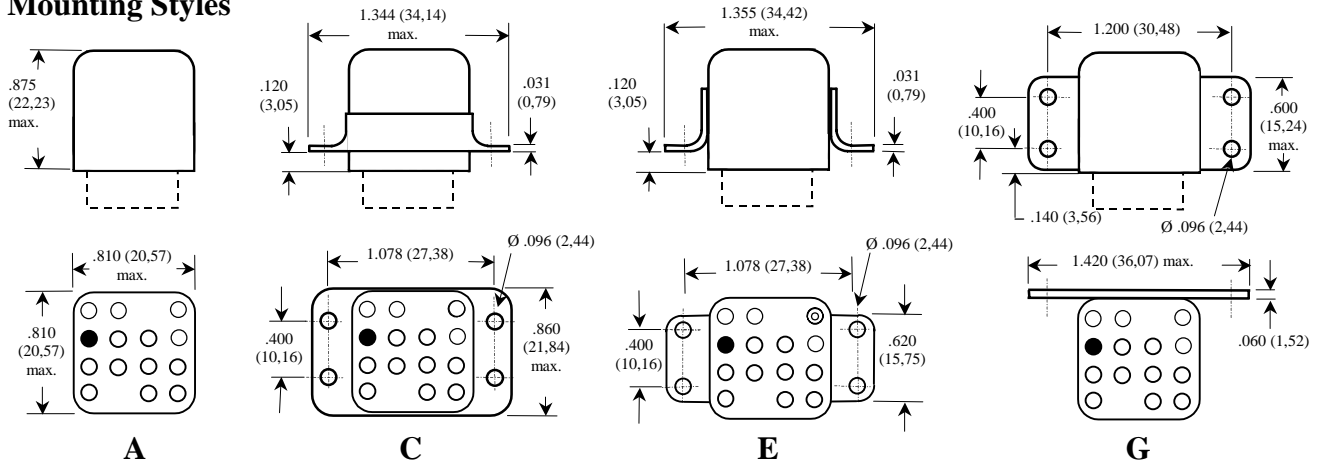
Schematic Diagram



Note:

- Schematics are viewed from terminals

Mounting Styles



Note:

- Dimensions are shown in inches (millimetres)

How to Order (Part Numbering System)

