



# FOUR POLES CRYSTAL CAN RELAY 2 AMPERE

Series  
4B

## Product Description

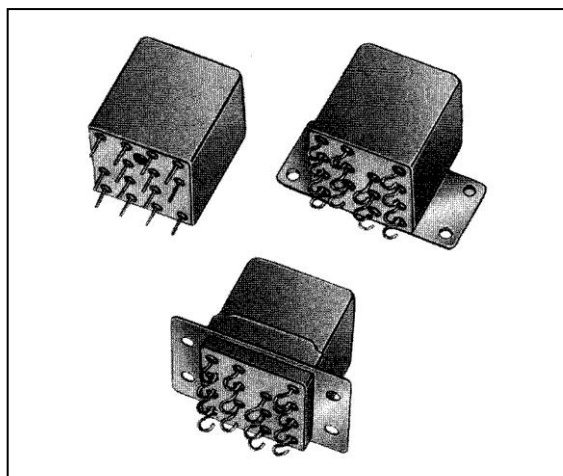
A four poles relay design, compatible with the popular 0.2 grid pin spacing. The design employs a common actuator system to each of the four double poles, double throw contacts, and provides reliable simultaneous operation of each pole. Powered by a wide latitude of coil resistance providing sensitivity 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

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

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

<b>Coil Data</b>	See Typical Characteristics chart		
<b>Contact Rating</b>	<b>Type Load</b>	<b>Contact Load</b>	<b>Cycles min.</b>
(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
<b>Contact Resistance</b>	0,05 Ω max. initial		
<b>Operate Time</b>	6,0 ms. max. at 25°C		
<b>Release Time</b>	4,0 ms. max. at 25°C		
<b>Contact Bounce</b>	3,0 ms. max. at 25°C		
<b>Dielectric Strength</b>	1.000 Vrms min., 60 Hz, all points, 500 Vrms min. between open contacts and coil to case, at sea level		
<b>Insulation Resistance</b>	1.000 MΩ min. all points at 500 Vdc		
<b>Intercontact Capacitance</b>	2,5 pF between contacts		
<b>Sensitivity</b>	400 mW at pick-up, 1,2 W typical at nominal rated coil voltage, at 25 °C		



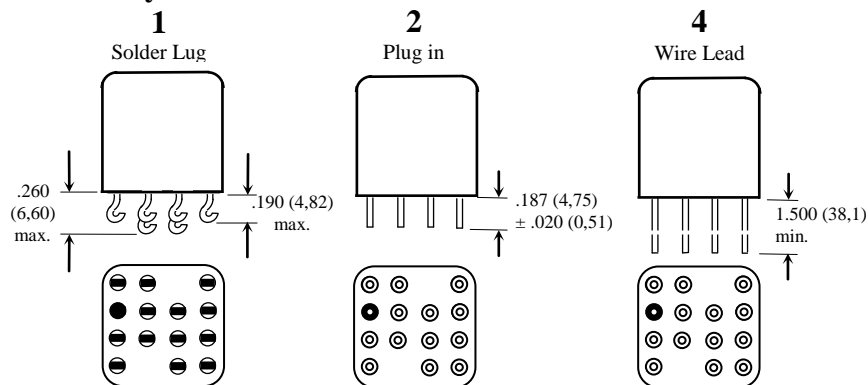
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## Typical Characteristics (over the Temperature range. Unless otherwise noted)

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

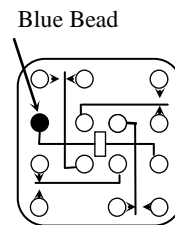
## Terminal Styles



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)

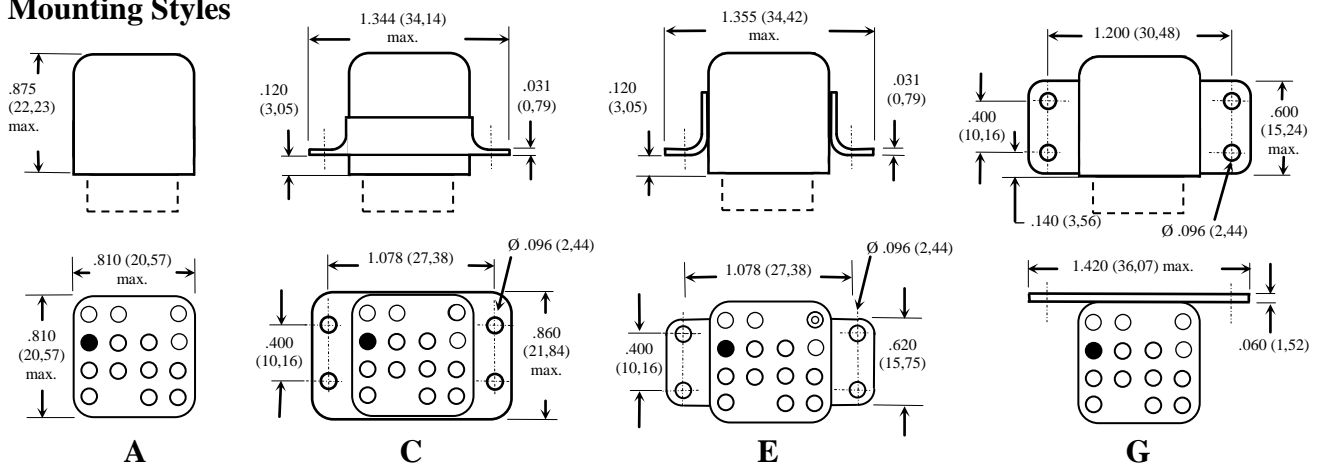
## Schematic Diagram



Note:

- Schematics are viewed from terminals

## Mounting Styles



Note:

- Dimensions are shown in inches (millimetres)

## How to Order (Part Numbering System)

Series	4B	- 2	A	- 126	Voltage Code
Terminal Style					Mounting Style