



FULL SIZE CRYSTAL CAN RELAY SENSITIVE 100 MILLIWATT

**Series
BA**

Product Description

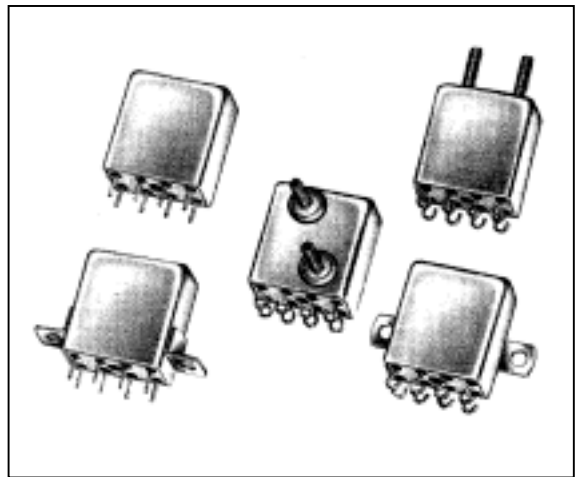
This ultra sensitive full size crystal can relay series, offers switching capability of low level signals up 2 amperes under the most extreme environmental conditions. Its low coil sensitivity and high contact current carrying capacity makes these relays ideal for a variety of applications. In a unique design, motor efficiency and the proven contact structure of qualified relays, offer sensitivities from 100 milliwatts with low level switching to 2 amperes, low profile, proven designs and wide selection of coil values to provide the designer with a consistent high quality product for today's and tomorrow design.

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
- 2 form C, DPDT contacts, special metal alloy with gold plating

Series Type

- **2BA** 2 form C, DPDT



Environmental and Physical Specifications

Temperature (Ambient)	- 65°C to + 125°C
Shock	100 g, 6 msec.
Vibration (sinusoidal)	15 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
		2 A / 28 Vdc	100.000
	Resistive	1 A / 115Vac, 400 Hz	100.000
		0,3 A / 115 Vac, 60 Hz	100.000
		4 A / 28 Vdc	100
Overload	1 A / 28 Vdc (200 mH)	100.000	
Inductive			
Contact Resistance	0,05 Ω max. initial		
Operate Time	6,5 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	100 mW at pick-up, 300 mW typical at nominal rated coil voltage, at 25 °C		



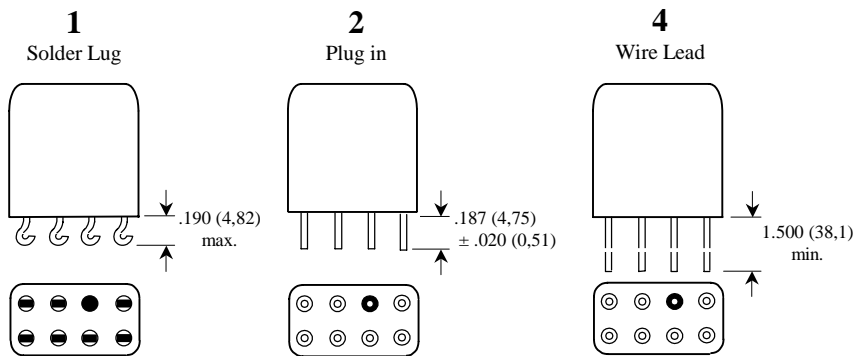
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Typical Characteristics

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	120	3,5	0,5
112	12,0	14,4	480	7,0	1,0
126	26,5	32,0	2250	15,0	2,0

Terminal Styles

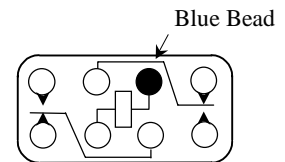


Note:

- Dimensions are shown in inches (millimetres)

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

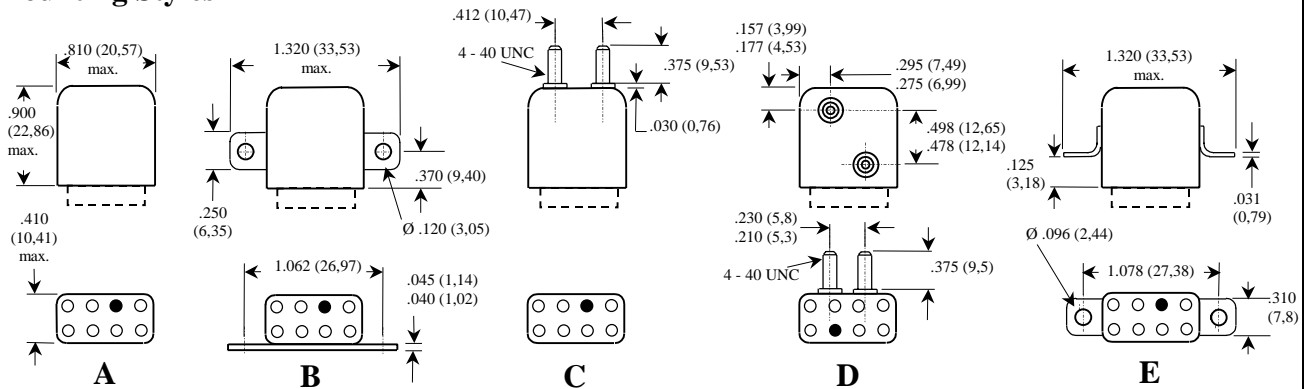
Schematic Diagram



Note:

- Schematics are viewed from terminals

Mounting Styles



Note:

- Dimensions are shown in inches (millimetres)

How to Order (Part Numbering System)

