

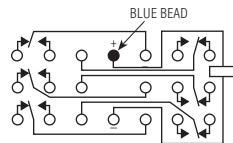
**Six Pole, Electrically Held, 2 Amps and Less**

SS

SS

**Six Pole Half Size High Performance Relay**

**Designed to MIL-R-39016**



Terminal View

**Product Facts**

- Hermetically sealed
- Up to 2 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- 6 form C Hi-density design

**Electrical Characteristics**

**Contact Arrangement** —

6 Form C (6PDT)

**Contact Material** —

Stationary —

Gold plated hardened silver alloy

Moveable —

Gold plated hardened silver alloy

**Contact Resistance** —

Before Life — 50 milliohms max.

(measured at 10 mA @ 6 Vdc)

After Life — 100 milliohms max.

(measured @ 2 A @ 28 Vdc)

**Mechanical Life Expectancy** —

1 million operations min.

**Coil Voltage** — 5 to 26.5 Vdc

**Coil Power** — 2.6 watts max. @ 25°C

**Duty Cycle** — Continuous

**Pick-up Voltage** — Approximately

50% of nominal coil voltage

**Pick-up Sensitivity** — 475 mW

**Contact Ratings**

Contact Load	Type	Operations Min.
2 A @ 28 Vdc	Resistive	100,000
0.3 A @ 115 Vac, 60 Hz & 400 Hz	Resistive	100,000
0.75 A @ 28 Vdc	Inductive (200mH)	100,000
0.1 A @ 28 Vdc	Intermediate	50,000
0.2 A @ 28 Vdc	Lamp	100,000
10 µA @ 50 mV	Low Level	1,000,000

**Six Pole, Electrically Held, 2 Amps and Less** (Continued)

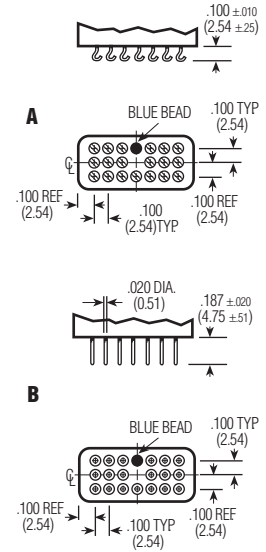
**SS** (Continued)

**Operating Characteristics**

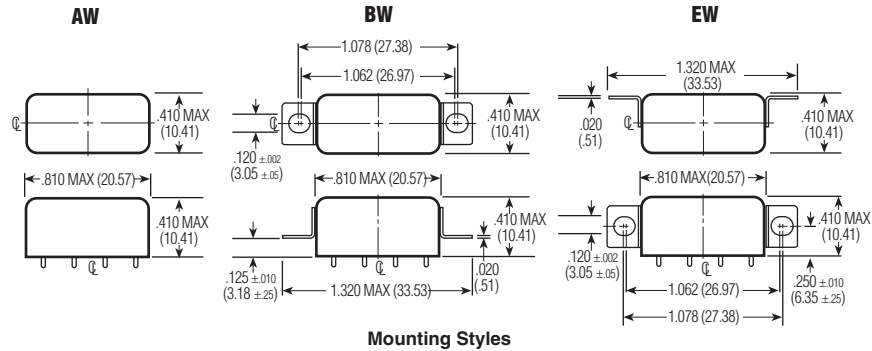
**Timing** —  
 Operate Time — 5.0 ms max.  
 Release Time — 5.0 ms max.  
**Contact Bounce** — 5.0 ms max  
**Dielectric Withstanding Voltage** —  
 Between Open Contacts —  
 350 Vrms 60 Hz  
 Between Adjacent Contacts —  
 500 Vrms 60 Hz  
 Between Contacts & Coil —  
 500 Vrms 60 Hz  
**Insulation Resistance** —  
 1,000 megohms min. @ 500 Vdc

**Environmental Characteristics**

**Temperature Range** —  
 -65°C to +125°C  
**Weight** —  
 0.28 oz. (7.8 grms)  
**Vibration Resistance** —  
 15 G's, 10 to 2,000 Hz  
**Shock Resistance** —  
 100 G's, 6 ±1 ms  
**QPL Equivalent** —  
 MIL-R-39016



**SS Terminals**



**Mounting Styles**

**Standard Coil Data**

Nom. Coil Voltage (Vdc)	Coil Resistance in Ohms ±10% @ 25°C	Pickup Voltage Vdc (Max.) @ 25°C	Pickup Voltage Vdc (Max.) @ 125°C	Drop-out Voltage Vdc (Min.) @ 25°C	Drop-out Voltage Vdc (Min.) @ -65°C	Nom. Coil Power (W) @ 25°C	Max. Coil Voltage	Coil Desig.
5.0	20	2.75	3.8	0.35	0.23	1.25	6.0	5
6.0	25	3.5	4.5	0.45	0.3	1.44	8.0	6
12.0	100	6.5	9.0	0.9	0.6	1.44	15.0	12
26.5	390	14.0	18.0	1.8	1.2	1.8	32.0	24

**Specifying a Part Number Example:**

**Type** SS      **Mountings** BW-      **Contacts** 6C-      **Coils** 24      **Terminals** B