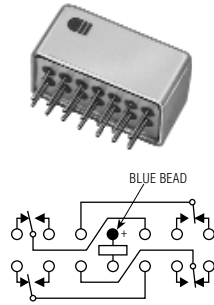


# SR·SS

## SR

**FOUR POLE HALF SIZE  
HIGH-PERFORMANCE RELAY**

**QUALIFIED TO MIL-R-39016/40**



TERMINAL VIEW

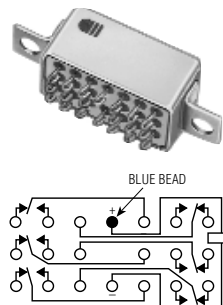
**FEATURES**

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

## SS

**SIX POLE HALF SIZE  
HIGH-PERFORMANCE RELAY**

**DESIGNED TO MIL-R-39016**



TERMINAL VIEW

**FEATURES**

- 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**

SR: 4 Form C (4PDT)  
SS: 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**

6 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       |



# SR • SS

## OPERATING CHARACTERISTICS

### TIMING

Operate Time:  
5.0 ms max.

Release Time:  
5.0 ms max.

### CONTACT BOUNCE

5.0 ms max. (SR)  
5.0 ms max. (SS)

### DIELECTRIC WITHSTANDING VOLTAGE

Between Open Contacts:  
350 Vrms 60 Hz

Between Adjacent Contacts:  
500 Vrms 60 Hz

Between Contacts and 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 gms)

### VIBRATION RESISTANCE

15 G's, 10 to 2,000 Hz

### SHOCK RESISTANCE

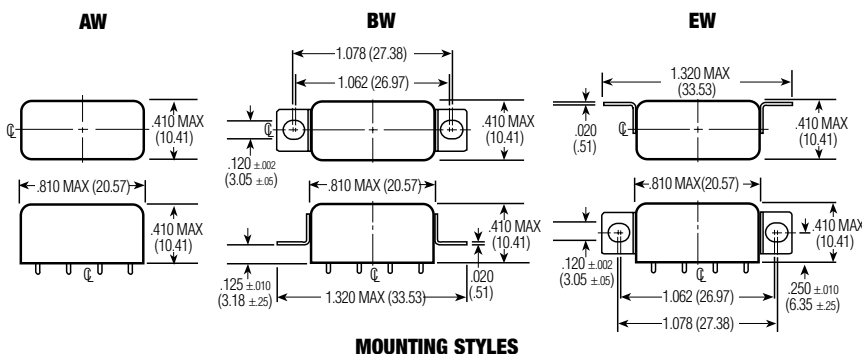
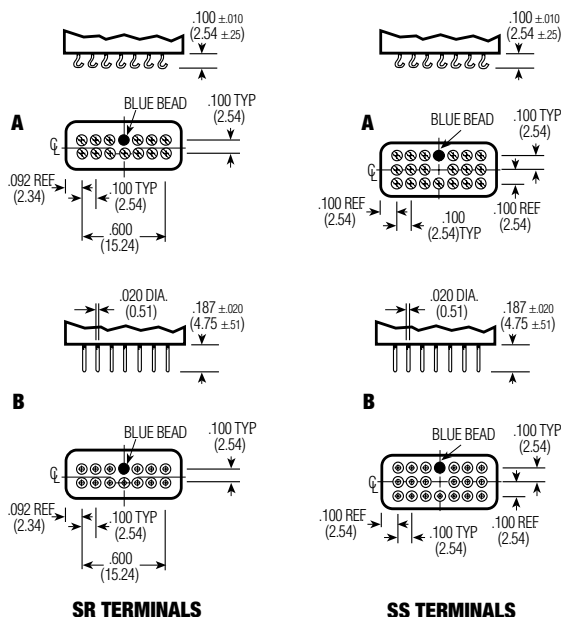
100 G's, 6 ± 1 ms

### QPL APPROVAL

MIL-R-39016/40 (SR)

### QPL EQUIVALENT

MIL-R-39016 (SS)



## 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 | DROPOUT VOLTAGE Vdc (MIN.) @ 25°C | DROPOUT 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 | MOUNTINGS | CONTACTS | COILS | TERMINALS |
|------|-----------|----------|-------|-----------|
| SR   | BW-       | 4C-      | 24    | B         |
| SS   | BW-       | 6C-      | 24    | B         |

