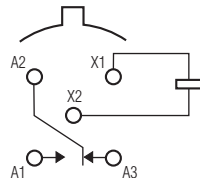


## Single Pole, Electrically Held, 1 Amp and Less (Continued)

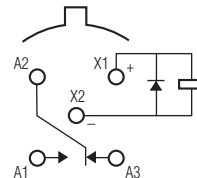
### 1MS, 1MSD, 1MSDD

**1MS**  
Sensitive TO-5  
High Performance Relay  
Qualified to  
MIL-R-39016/10



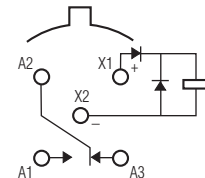
Terminal View

**1MSD**  
Sensitive TO-5  
Diode Suppressed  
High Performance Relay  
Qualified to  
MIL-R-39016/25



Terminal View

**1MSDD**  
Sensitive TO-5 Diode  
Suppressed/Protected  
High Performance Relay  
Qualified to  
MIL-R-39016/26



Terminal View

#### Product Facts

- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

#### Product Facts

- Suppression diode
- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

#### Product Facts

- Suppression & protection diodes
- Hermetically sealed
- High shock & vibration ratings
- Spreader pad
- Excellent RF switching

#### Electrical Characteristics

**Contact Arrangement** —  
1 Form C (SPDT)

**Contact Material** —  
Stationary —  
Gold/platinum/palladium/silver alloy  
(gold plated)  
Moveable —  
Gold/platinum/palladium/silver alloy  
(gold plated)

**Contact Resistance** —  
Before Life — 100 milliohms max.  
(measured @ 10 mA @ 6 Vdc)  
After Life — 200 milliohms max.  
(measured @ 1 A @ 28 Vdc)

**Mechanical Life Expectancy** —  
1 million operations

**Coil Voltage** — 5 to 40 Vdc

**Coil Power** — 506 mW max. @ 25°C

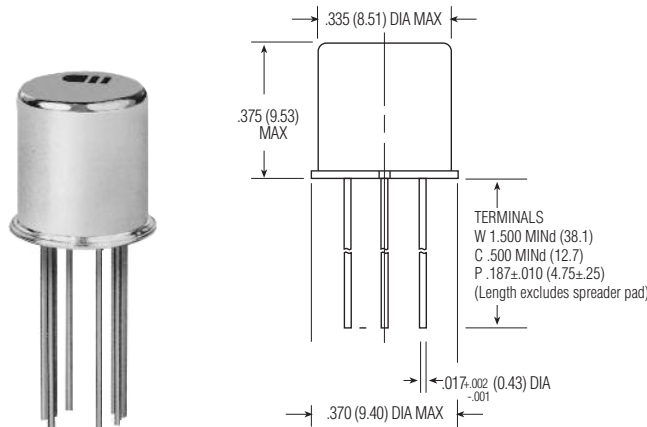
**Duty Cycle** — Continuous

**Pick-up Voltage** — Approximately  
50% of nominal coil voltage

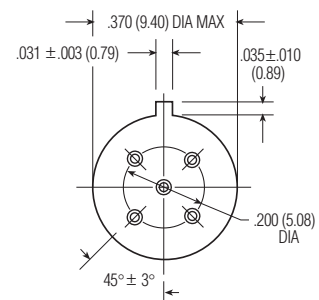
**Pick-up Sensitivity** —  
40 mW max. @ 25°C

#### Contact Ratings

| Contact Load                     | Type                          | Operations MINd. |
|----------------------------------|-------------------------------|------------------|
| 1.0 A @ 28 Vdc                   | Resistive                     | 100,000          |
| 250 mA @ 115 Vac, 60 Hz & 400 Hz | Resistive (case not grounded) | 100,000          |
| 100 mA @ 115 Vac, 60 Hz & 400 Hz | Resistive                     | 100,000          |
| 0.2 A @ 28 Vdc                   | Inductive (0.32 Henry)        | 100,000          |
| 0.1 A @ 28 Vdc                   | Lamp                          | 100,000          |
| 30 $\mu$ A @ 50 mVdc             | Low Level                     | 1,000,000        |
| 0.1 A @ 28 Vdc                   | Intermediate Current          | 50,000           |



1MS/1MSD/1MSDD Enclosure



1MS/1MSD/1MSDD Header

