

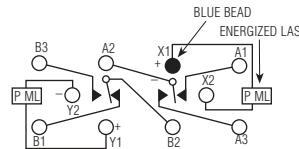
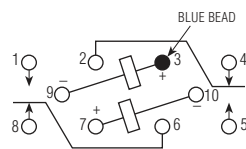
## Double Pole, Magnetic Latching, 2 Amps and Less

LS

LS

### Magnetic Latching Half Size High Performance Relay

DESIGNED to MIL-R-39016/45



Terminal View

**Standard Schematic** Contacts will switch from the indicated position when either coil is energized with polarity as shown.

**MIL-R-39016/45 SCHEMATIC** Contacts will switch from the indicated position when either coil is energized with polarity as shown.

### Product Facts

- Hermetically sealed
- Up to 2 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- Latching design

### Electrical Characteristics

**Contact Arrangement** — 2 Form C (DPDT)

**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 48 Vdc

**Coil Power** — 1.0 watts max.

**Duty Cycle** — Continuous

**Pick-up Voltage** — Approximately

50% of nominal coil voltage

**Pick-up Sensitivity** — 170 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
0.160 A @ 28 Vdc	Lamp	100,000
30 $\mu$ A @ 50 mVdc	Low Level	1,000,000

### RF Performance

Frequency (MHz)	RF Losses (dB)	VSWR	Isolation (dB)
100	0.1	1.15:1	38
500	0.3	1.19:1	31
1000	0.6	1.32:1	45

