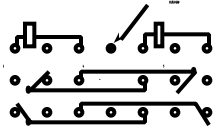


LR

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

DESIGNED TO MIL-R-39016



TERMINAL VIEW

STANDARD SCHEMATIC Contacts will switch from the indicated position when either coil is energized with polarity as shown.

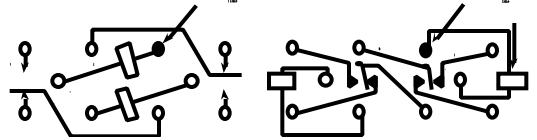
FEATURES

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

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.

FEATURES

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

ELECTRICAL CHARACTERISTICS

CONTACT ARRANGEMENT

LS: 2 Form C (DPDT)

LR: 4 Form C (4PDT)

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 μA @ 50 mVdc	Low Level	1,000,000

RF PERFORMANCE (LS ONLY)

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