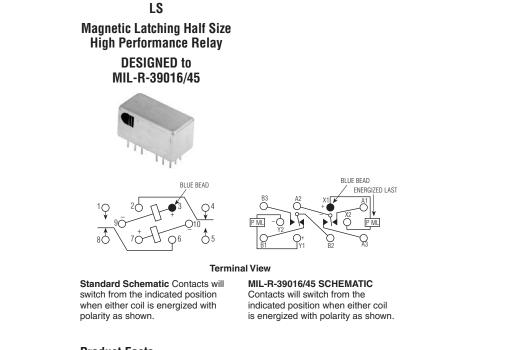
LS

Double Pole, Magnetic Latching, 2 Amps and Less



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) Áfter 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	Туре	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

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

Catalog 5-1773450-5 Revised 3-13

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666



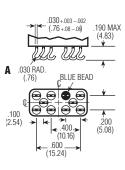
Double Pole, Magnetic Latching, 2 Amps and Less (Continued)

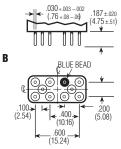
LS (Continued)

Operating Characteristics Timing — Set-Reset Time — 5.0 ms max. Contact Bounce — 2.0 ms max. Dielectric Withstanding Voltage — Between Open Contacts — 500 Vrms 60 Hz Between Adjacent Contacts — 1000 Vrms 60 Hz Between Contacts and Coil — 1000 Vrms 60 Hz Insulation Resistance — 10,000 megohms min. @ 500 Vdc

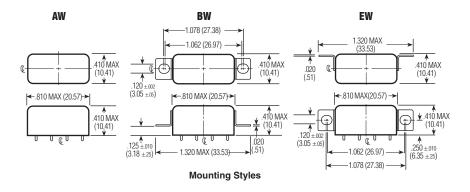
Environmental Characteristics







LS Terminals



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	Pickup Voltage Vdc (Min.) @ 25°C	Pickup Voltage Vdc (Min.) @ -65°C	Nom. Coil Power (mW) @ 25°C	Max. Coil Voltage	Coil Desig.
5.0	45	2.7	3.8	1.6	1.0	556	6.7	5
6.0	63	3.25	4.5	2.0	1.3	571	8.0	6
12.0	254	6.5	9.0	4.0	2.6	567	16.0	12
26.5	1,000	13.0	18.0	8.0	5.2	702	32.0	24
48.0	3,800	26.0	36.0	16.0	10.4	606	64.0	48

Ordering Instructions

to change.

www.te.com

Catalog-selected Relays: The catalog number is derived by choosing the proper CODE for each of the six relay characteristics in the order in which the codes are listed.

	Specifying a Part Number Example:		<u>Type Mountings</u>		<u>Contacts</u>	<u>Coil</u>	<u>s Terminals</u>	
			LS	BW-	2C-	24	В	
1-48								
	Catalog 5-1773450-5 Revised 3-13			s are in millimeters rwise specified.	USA: +1 800 522 6752 Asia Pacific: +86 0 400 820 6015 UK: +44 800 267 666		For additional support numbers please visit www.te.com	