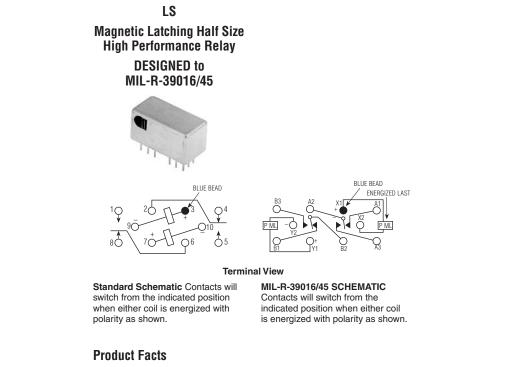
LS

Double Pole, Magnetic Latching, 2 Amps and Less



- 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	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

CII Low Signal Relays

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 For additional support numbers please visit www.te.com

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

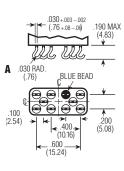
LS (Continued)

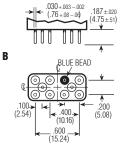
Operating Characteristics Timing — Set-Reset Time — 5.0 ms max. Contact Bounce — 2.0 ms max. Dielectric Withstanding Voltage — Between Open Contacts — 500 Vrms 60 Hz Between Adjacent Contacts — 1000 Vrms 60 Hz Between Contacts and Coil — 1000 Vrms 60 Hz Insulation Resistance — 10,000 megohms min. @ 500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

 $\begin{array}{l} \mbox{Temperature Range} & -- \\ -65^\circ C \ to \ +125^\circ C \\ \mbox{Weight} & -.46 \ oz \ (13 \ gms) \ max. \\ \mbox{Vibration Resistance} & -- \\ \mbox{Standard} & -20 \ G's, \ 10 \ to \ 2,000 \ Hz \\ \mbox{QPL Equiv.} & -- \ 30 \ G's, \ 10 \ to \ 2,500 \ Hz \\ \mbox{Shock Resistance} & -- \\ \ 100 \ G's, \ 6 \ \pm1 \ ms \\ \mbox{QPL Equivalent} & -- \\ \end{array}$

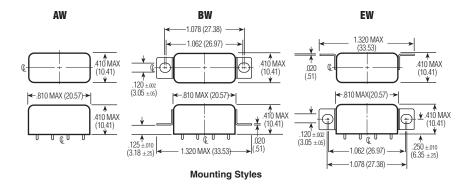
Environmental Characteristics







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.

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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</u> <u>Mountings</u>		<u>Contacts</u> <u>Co</u>		ils <u>Terminals</u>	
			LS	BW-	2C-	24	В	
48	Catalog 5-1773450-5 Revised 3-13	Dimensions are shown for reference purposes only. Specifications subject	Dimensions are in millimeters unless otherwise 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	

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TE Connectivity: LSBW-2C-24B