

TAKAMISAWA'S

LZL Relay

FEATURES

- MAGNETIC LATCHING RELAY WITH SPDT (B-M)
- LOW COST HIGH RELIABILITY
- SMALL SIZE AND LIGHT WEIGHT
Height x Length x Width 14.8 x 21.4 x 16.4
Weight 8 gr (0.28 oz)
- 3 KINDS OF CONTACT MATERIALS – FOR LOW LEVEL AND 5A SWITCHING
- PRINT CIRCUIT TERMINALS – FITS GRID WITH 2.54 mm (0.1 in)

Actual size



SPECIFICATIONS

CONTACT DATA

- Arrangement SPDT (B-M)
- Material & Rating
 - Gold overlaid silver-nickel alloy (single) : 5 A 24 V DC or 120 V AC at resistive
 - Gold overlaid silver (single) : 3 A 30 V DC or 120 V AC at resistive
 - Gold overlaid silver-palladium alloy (bifurcated) : 1 A 30 V DC or 120 V AC at resistive
- Life Expectancy
 - Mechanical : 2 million operations
 - Electrical : 50,000 operations min. at rated load

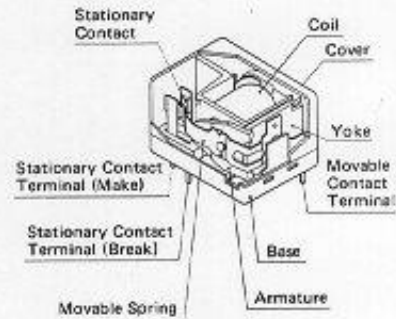
COIL DATA

- Voltage 5 to 60 V DC
- Minimum Operate Power (at 20°C) 0.96W (48 V DC . . . 1.05W, 60 V DC . . . 1.09W)
- Maximum Permissible Power See Fig. 1
- Pulse Length for Operate or Reverse See Fig. 2, Fig. 3

GENERAL DATA

- Insulation Resistance Min. 250MΩ at 500 V DC
- Dielectric Strength 750 V AC (50/60 Hz) between open contact
2000 V AC (50/60 Hz) between all other conductors
- Timing See Fig. 4, Fig. 5
- Vibration Resistance 10 to 55 Hz 1.5 mm (10G) . . . (typical)
- Shock Resistance
 - Destruction shock 75G (typical)
 - Unerror shock 10G (typical)

STRUCTURE



[Notice] Method for the use of the relay

The relay is operated by a pulse and reversed by a pulse of opposite polarity. Fig. A shows operated position, and Fig. B shows reversed position.

When the relay is reversed at nominal voltage, the circuit shown in Fig. C is recommended to avoid re-operate.

Fig. A Operated State

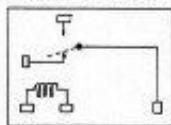


Fig. B Reversed State

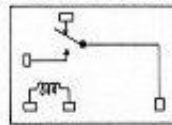
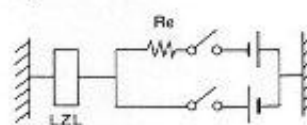


Fig. C Recommended circuit



External resistance R_e indicate at list of ORDERING INFORMATION