

Reed Switch specifications

Model No: LDW-1410B

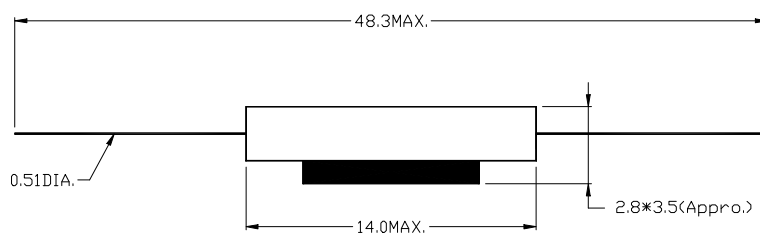
Features

- The LDW-1410B is a LDW-1411 combines with a magnet to form normally close contact.

Applications

- Automotive electronic devices
- Rotation and speed Monitoring
- Door and Window Contacts for Security System
- Communication equipment
- Measurement equipment

Dimensions



| | | | |
|-----------------|-------------------------|------|----|
| Outer Dimension | Glass Diameter (Max.) | 2.2 | mm |
| | Glass Length (Max.) | 14.0 | mm |
| | Lead Diameter (Nominal) | 0.51 | mm |
| | Overall Length (Max.) | 48.3 | mm |

Electrical Characteristics

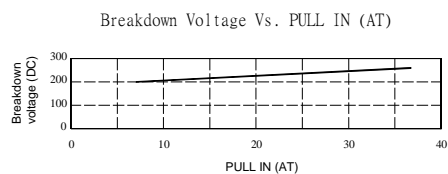
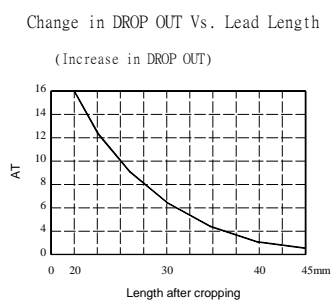
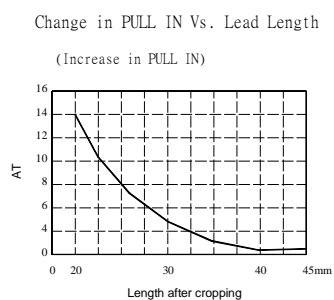
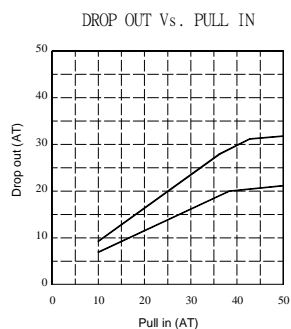
| | | |
|-------------------------------|--------|--------------------------|
| Contact form | | SPST Form B Center gap |
| Contact material | | Ruthenium over palladium |
| Switching power | (max.) | 10 VA |
| Switching Current | (max.) | 0.5Amp. DC 0.5Amp. AC |
| Carry Current | (max.) | 1.0Amp. DC 1.0Amp. AC |
| Switching voltage | (max.) | 200 VDC |
| Breakdown voltage | (min.) | 250 VDC |
| Contact resistance | (max.) | 150 Miniohms |
| Insulation resistance | (min.) | 10 ¹⁰ Ohms |
| Contact capacitance | (max.) | 0.4 pF |
| Operate time including bounce | (typ.) | 1.0 ms |
| Release time | (typ.) | 0.1 ms |
| Pull in Range | | 10 – 50 AT |
| Drop out | | 40 – 90% |

Note: 1. The specification for VA rating may be exceeded for less sensitive (High AT) switches, and should be decreased for very sensitive (Low AT) switches. Specific life testing for a particular load will be run upon request.

2. Breakdown voltage is measured in the presence of a radioactive ionizing source with leakage current limited to 100 microamperes.

Physical Characteristics

| | |
|-------------------------------------|-----------------|
| Operating Temperature | -40°C to +125°C |
| Storage Temperature | -50°C to +155°C |
| Vibration 10 – 2000 Hz (G ' S MAX) | 50g |
| Shock 11ms. ½ Sine wave (G ' S MAX) | 100g |
| Resonant Frequency (TYP.) | 4.8 KHz |
| Switching Frequency (MAX.) | 200 Hz |



Minimum Life Expectancy

| | | | | | | |
|------|-------------------|-------------------|------------------|-----------------|-------------------|-------------------|
| Load | 5VDC 2mA | 10VDC 1A | 12VDC 10mA | 24VDC 10mA | 100VDC 50mA | 200VDC 20mA |
| Life | 100×10^6 | 0.5×10^6 | 10×10^6 | 2×10^6 | 0.5×10^6 | 0.5×10^6 |

End of Life Definition

1. Contact resistance above 1 ohm.
2. Failure to open (sticking).

Magnet Actuation Patterns