

Introduction

When used within their capabilities, Littelfuse reed sensors, reed relays, and reed switches provide many years of robust performance. Like anything, reed switches and reed sensors have their limitations. The glass capsule can be cracked or broken if mechanically overstressed or shocked. Mechanical shock can also cause the sensitivity to change by permanently bending the reed contacts inside the capsule. Careless handling can accidentally generate very large mechanical shocks when objects hit each other.

Considerations

To avoid problems, the following handling guidelines are recommended:

1. Do not drop, hit or cause other excessive shock.
2. Do not pull, lift or carry by the leads.
3. Do not damage with abrasive or sharp objects.
4. Do not subject to other rough handling.
5. Do not use excessive force when mounting or connecting. Snap mounting systems should be carefully evaluated because of the mechanical shock potentially produced. Screws and nuts should not be overly tightened.
6. Do not use aggressive cleaning solvents or chemicals on the plastic components of reed sensors.
7. Do not expose actuators, magnets or sensors containing magnets to very large magnetic fields because demagnetization may occur.
8. Magnetic fields or nearby ferromagnetic materials such as steel will affect activate and deactivate distances.

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