## MLRR-4 15.2 mm Sub-miniature Close Differential Reed Switch



## Agency Approvals

| Agency | Agency File Number | Ampere-Turns Range |
| :---: | :---: | :---: |
| $c \mathbb{N}_{u s}^{\circ}$ | $\begin{aligned} & \text { E47258 } \\ & \text { E471070 } \end{aligned}$ | 17-38 AT |
| \&x | DEMKO 14 ATEX $1393 U$ | 17-38 AT |

## Dimensions

Dimensions in mm


## Electrical Ratings

## Notes:

1. Contact rating - Product of the switching voltage and current should never exceed the wattage rating. Contact Littelfuse for additional load/life information.
2. When switching inductive and/or capacitive loads, the effects of transient voltages and/or currents should be considered. Refer to Application Notes AN108A and AN107 for details.
3. Electrical Load Life Expectancy - Contact Littelfuse with voltage, current values along with type of load.
4. Breakdown Voltage - per MIL-STD-202, Method 301.
5. Storage Temperature - Long time exposure at elevated temperature may degrade solderability of the leads.

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## Product Characteristics

## Operating Characteristics

| Operate Time ${ }^{1}$ |  | $0.6 \mathrm{~ms} \mathrm{-} \mathrm{max}$. |
| :---: | :---: | :---: |
| Release Time ${ }^{1}$ |  | $0.2 \mathrm{~ms} \mathrm{-} \mathrm{max}$. |
| Shock ${ }^{2}$ | $11 \mathrm{~ms} 1 / 2$ sine wave | 100G - max. |
| Vibration ${ }^{2}$ | 50-2000 Hertz | 30G - max. |
| Resonant Frequency |  | 6.25 kHz - typ. |
| Magnetic Characteristics |  |  |
| Pull-In Range ${ }^{3}$ | Ampere Turns | 17-38 |
| Rating Sensitivity ${ }^{4}$ | Ampere Turns | 20 |
| Test Coil |  | L4989 |

Notes:

1. Operate (including bounce)/Release Time - per EIA/NARM RS-421-A, diode suppressed coil (Coil II).
2. Shock and Vibration - per EIA/NARM RS-421-A and MIL-STD-202.
3. Pull-In Range - Contact Littelfuse for narrower AT ranges available.
4. Rating Sensitivity - The value at which contact ratings and operating characteristics are determined. Derating may be required below this value.
5. Custom modifications of forming and/or cutting of reed switches are available. Please contact Littelfuse.

Drop-Out vs. Pull-In Chart


Note: The chart represents the range of Drop-Out, minimum to maximum for a given Pull-In value.

Part Numbering System


Note: This AT value is the before-modification value of the bare reed switch.
Additional Information




Samples

## Packaging

| Packaging Option | Packaging Specification | Quantity | Quantity \& Packaging Code | Taping Width |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Bulk | Bulk | 3000 | N/A | N/A |

## Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery \& Lifecycle Information:

Littelfuse:
MLRR-4 22-38 MLRR-4 27-38 MLRR-4 17-28 MLRR-4 17-38 MLRR-4 32-38 MLRR-4 22-33 MLRR-4 27-33
MLRR-4 17-23 MLRR-4 22-28 MLRR-4-22-28 MLRR-4-17-23 MLRR-4-27-33 MLRR-4-17-38 MLRR-4-27-38
MLRR-4-22-33 MLRR-4-32-38 MLRR-4-17-28 MLRR-4-22-38 MLRR-4-12-18 MLRR-4-37-43

