# Detector Switch ( Lever Type )
# MLS-29AU Series

**▯ Feature**

&lt;&gt;This switch is a light movement with small type.
&lt;&gt;Crossbar contact point is used.
&lt;&gt;Wide lever-variation.

**▯ Applications**

&lt;&gt;Car audio, CD
&lt;&gt;FAX, Label printer
&lt;&gt;Game machine

| MLS-29AU | MLS-29AUS3 | MLS-32 |
|---|---|---|

| MLS-36AU | MLS-38AUS | MLS-42AU | MLS-47 |
|---|---|---|---|
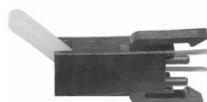
**▯ Products Line**
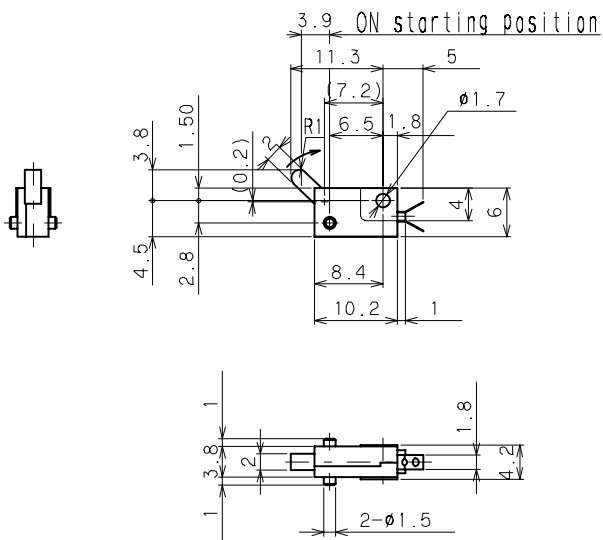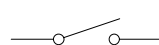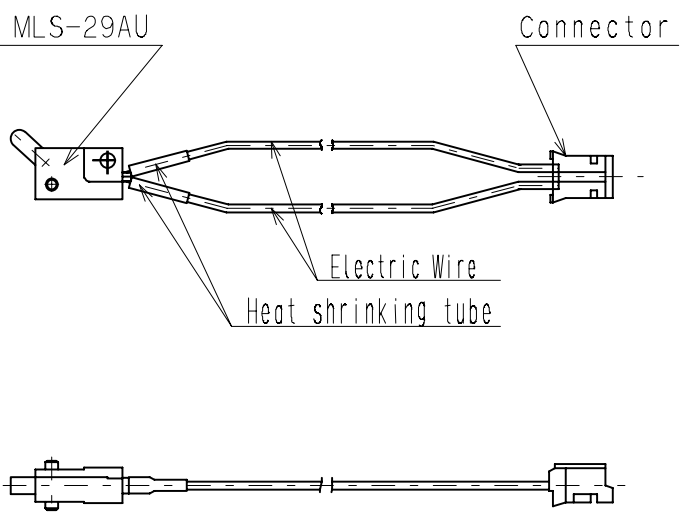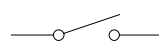
| No | Products No | Poles | Positions | Operating force |
|---|---|---|---|---|
| 1 | MLS-29AU | 1 | 1 | 0.69N max |
| 2 | MLS-29AUS3 | 1 | 1 | 0.69N max |
| 3 | MLS-32AU | 1 | 1 | 0.69N max |
| 4 | MLS-36AU | 1 | 1 | 0.69N max |
| 5 | MLS-38AUS | 1 | 1 | 0.69N max |
| 6 | MLS-42AU | 1 | 1 | 0.29N max |
| 7 | MLS-47AU | 1 | 1 | 0.69N max |

**▯ Typical Specifications**

| Items | Specifications |
|---|---|
| Ratings (max) (Resistive load) | 20mA 16V DC (Resistive load) |
| Contact resistance | 50 milliohm max |
| Insulation resistance | 50 megohm min. 250V DC |
| Withstanding voltage | 250V AC for 1min |
| Operating life | 20,000 cycles |

Dimensions                                                                      Unit：mm

| No | Style | P.C.B reference Land Dimensions Circuit Diagram (TOP VIEW) |
|---|---|---|
| 1 | MLS-29AU | |
| 2 | MLS-29AUS3 | |

■Dimensions                                                                    Unit：mm

| No | Style | P.C.B reference Land Dimensions<br>Circuit Diagram (TOP VIEW) |
|----|-------|---------------------------------------------------------------|
| 3 | MLS-32AU<br> |  |
| 4 | MLS-36AU<br> |  |

▯ Dimensions

Unit：mm

| No | Style | P.C.B reference Land Dimensions Circuit diagram (TOP VIEW) |
|---|---|---|
| 5 | MLS-38AUS  |  |
| 6 | MLS-42AU  |  |

| No | Style | P.C.B reference Land Dimensions<br>Circuit diagram (TOP VIEW) |
|----|-------|---|
| 7 | MLS-47<br><br>10.85<br>8.7<br>6.8<br>ø2<br>R2<br>3<br>2<br>6.6<br>4.3<br>1.7<br>5<br>3<br>3.9<br>4.8<br>ON starting position<br><br>3.8.1<br>2<br>0.2<br>3<br>4<br>2-ø1.5 | |

◇ Notes

1. The appearance and specifications of the product may be modified without prior notice to improve its performance.
2. This catalog shows only outline specifications. When using the product, please obtain formal specifications supply.
3. Please see appendix　[Cautions in Using Switches ].
4. For high safety applications, please confirm with protection and redundant circuit.
5. This detector switch is not a washable type.
6. In manual soldering, consideration should be given to apply the soldering iron to the tip of the terminal so that unusual pressure is not applied to the terminal.
7. Please do not apply pressure for 1 minute after soldering.
8. Since soldering quality may deteriorate due to sulfuration and oxidation of terminals, please use as soon as possible within maximum 6 months after delivery and use within a after opening the package condition and the one within 1 week after you unpack it again.
9. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.