

Detector Switch MSS-10 Series

Feature

- ◇ Sliding contact type
- ◇ For micro-current
- ◇ Wide actuator-variation.

Applications

- ◇ FAX, Copying machine, Label printer
- ◇ CD, DVD-RAM printer
- ◇ Video camera, Game



MSS-10-1



MSS-10A-1



MSS-10F-23



MSS-10L2-1



MSS-10R2-16



MSS-13AUS6

Products Line

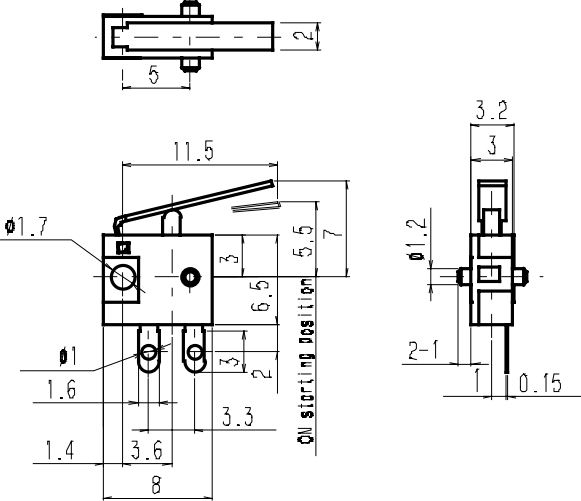
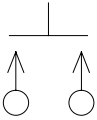
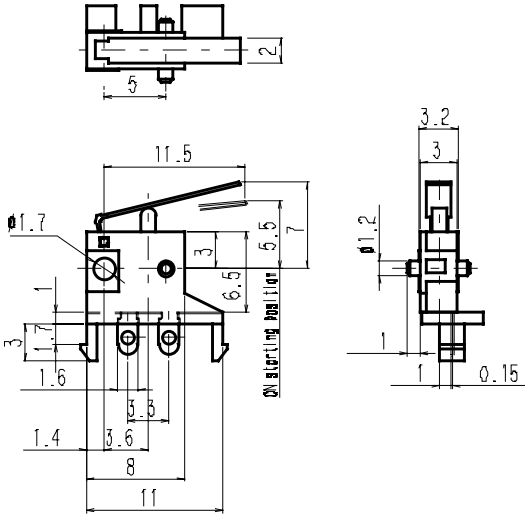
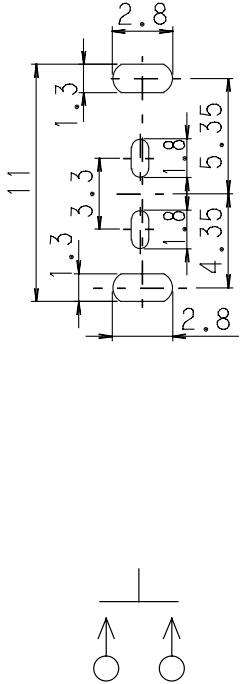
No	Products No	Poles	Positions	Operating force
1	MSS-10-1	1	1	0.19N plus or minus 0.09N
2	MSS-10A-1	1	1	0.19N plus or minus 0.09N
3	MSS-10F-23	1	1	0.25N max
4	MSS-10L2-1	1	1	0.19N plus or minus 0.09N
5	MSS-10R2-16	1	1	0.34N max
6	MSS-13AUS6	1	1	0.39N plus or minus 0.24N

Typical Specifications

Items	Specifications
Ratings	0.1A 16V DC (Resistive load)
Contact resistance	200 milliohm max
Insulation resistance	100 megohm min. 250V DC
Withstanding voltage	250V AC for 1min
Operating life with load	30,000 cycles

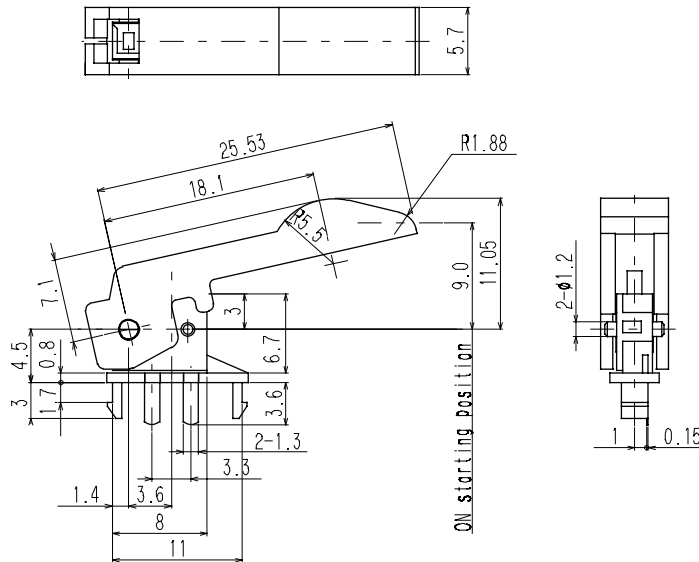
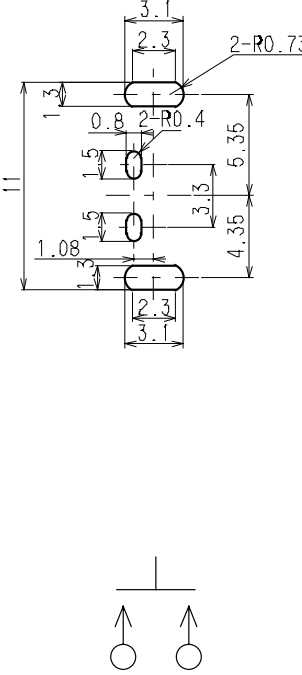
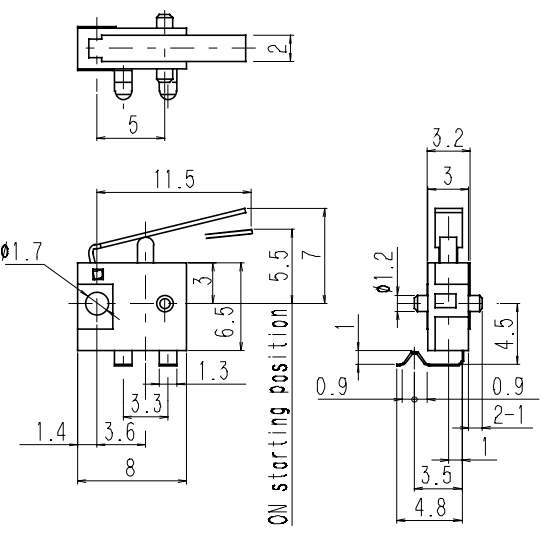
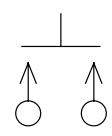
Dimensions

Unit : mm

No	Style	P.C.B reference land Dimensions Circuit Diagram (TOP VIEW)
1	<p>MSS-10-1</p>  <p>Technical drawings of MSS-10-1 component. The top view shows a rectangular component with a width of 8 mm and a length of 11.5 mm. It features a central slot with a width of 3.6 mm and a depth of 3 mm. Two circular features are located on the left side, with diameters of 1.6 mm and 1.4 mm. A circular feature with a diameter of 1.7 mm is located on the right side. The component has a height of 7 mm and a thickness of 2 mm. A cross-sectional view shows a diameter of 1.2 mm and a length of 3.2 mm. A side view shows a diameter of 1.2 mm and a length of 2.1 mm. A note indicates the 'ON starting position'.</p>	 <p>Circuit diagram for MSS-10-1 showing a top view with two circular terminals.</p>
2	<p>MSS-10A-1</p>  <p>Technical drawings of MSS-10A-1 component. The top view shows a rectangular component with a width of 11 mm and a length of 11.5 mm. It features a central slot with a width of 3.6 mm and a depth of 3 mm. Two circular features are located on the left side, with diameters of 1.6 mm and 1.4 mm. A circular feature with a diameter of 1.7 mm is located on the right side. The component has a height of 7 mm and a thickness of 2 mm. A cross-sectional view shows a diameter of 1.2 mm and a length of 3.2 mm. A side view shows a diameter of 1.2 mm and a length of 1 mm. A note indicates the 'ON starting position'.</p>	 <p>Circuit diagram for MSS-10A-1 showing a top view with two circular terminals and detailed dimensions. The diagram shows a rectangular component with a width of 11 mm and a length of 11.5 mm. It features a central slot with a width of 3.6 mm and a depth of 3 mm. Two circular features are located on the left side, with diameters of 1.6 mm and 1.4 mm. A circular feature with a diameter of 1.7 mm is located on the right side. The component has a height of 7 mm and a thickness of 2 mm. A cross-sectional view shows a diameter of 1.2 mm and a length of 3.2 mm. A side view shows a diameter of 1.2 mm and a length of 1 mm. A note indicates the 'ON starting position'.</p>

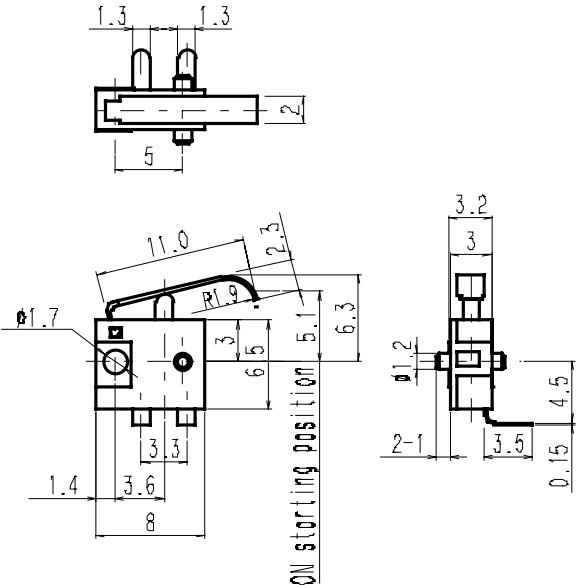
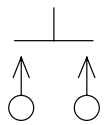
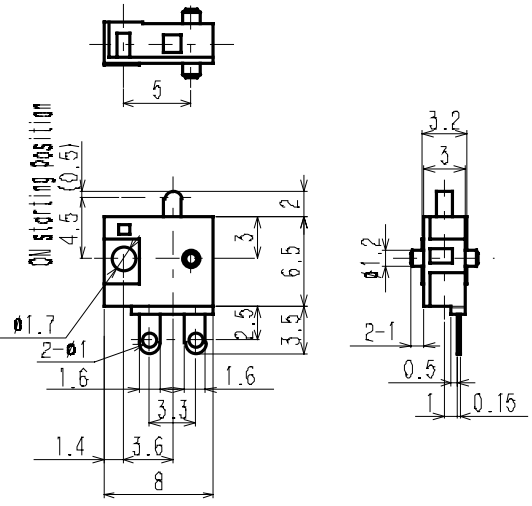
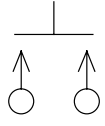
Dimensions

Unit : mm

No	Style	P.C.B reference land Dimensions Circuit Diagram (TOP VIEW)
3	<p>MSS-10F-23</p>  <p>Technical drawing of MSS-10F-23 component showing side, top, and cross-sectional views with dimensions. Key dimensions include: 5.7 (length), 25.53 (total length), 18.1 (width), R1.88 (radius), 11.05 (height), 9.0 (height), 7.1 (height), 3 (width), 6.7 (width), 3.6 (width), 2-1.3 (width), 3.3 (width), 11 (width), 8 (width), 3.6 (width), 1.4 (width), 1.7 (width), 0.8 (width), 4.5 (width), 3 (width), 1.08 (width), 1.5 (width), 0.8 (width), 2-φ1.2 (hole diameter), 1 (width), 0.15 (width).</p>	 <p>P.C.B reference land dimensions and circuit diagram for MSS-10F-23. Dimensions include: 3.1, 2.3, 2-R0.73, 11, 3.3, 0.8, 2-R0.4, 5.35, 1.5, 3.3, 4.35, 1.08, 3.1, 3.1. The circuit diagram shows two terminals with upward arrows.</p>
4	<p>MSS-10L2-1</p>  <p>Technical drawing of MSS-10L2-1 component showing side, top, and cross-sectional views with dimensions. Key dimensions include: 2 (length), 5 (width), 11.5 (width), 7 (width), 5.5 (width), 3.2 (width), 3 (width), 3.6 (width), 1.3 (width), 6.5 (width), 3 (width), 1.7 (width), 1.4 (width), 3.3 (width), 8 (width), 3.6 (width), 1.3 (width), 1.2 (width), 0.9 (width), 4.5 (width), 0.9 (width), 2-1 (width), 1 (width), 3.5 (width), 4.8 (width).</p>	 <p>P.C.B reference land dimensions and circuit diagram for MSS-10L2-1. The circuit diagram shows two terminals with upward arrows.</p>

Dimensions

Unit : mm

No	Style	P.C.B reference land Dimensions Circuit Diagram (TOP VIEW)
5	<p>MSS-10R2-16</p>  <p>Technical drawing of MSS-10R2-16 component. It includes a top view showing a width of 5 mm and two pins with a diameter of 1.3 mm. A side view shows a total length of 11.0 mm, a mounting hole diameter of 1.7 mm, and a distance of 6.3 mm from the mounting hole to the center of the component. A front view shows a width of 8 mm, a distance of 1.4 mm from the left edge to the center, and a distance of 3.6 mm between the two pins. A note indicates the 'ON starting position'.</p>	 <p>Circuit diagram for MSS-10R2-16 showing a common terminal and two normally open contacts.</p>
6	<p>MSS-13AUS6</p>  <p>Technical drawing of MSS-13AUS6 component. It includes a top view showing a width of 5 mm. A side view shows a total length of 11.0 mm, a mounting hole diameter of 1.7 mm, and a distance of 6.5 mm from the mounting hole to the center of the component. A front view shows a width of 8 mm, a distance of 1.4 mm from the left edge to the center, and a distance of 3.6 mm between the two pins. A note indicates the 'ON starting position'.</p>	 <p>Circuit diagram for MSS-13AUS6 showing a common terminal and two normally open contacts.</p>

□ 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.

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