

Lever-type Detector Switches

SW1AB-350 Series

Features

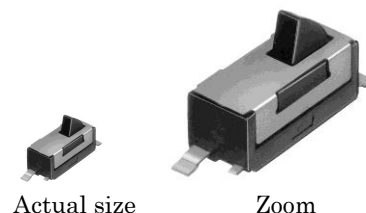
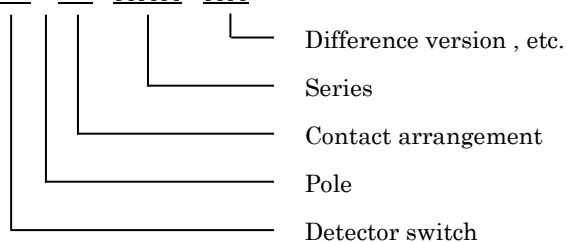
- ◇Miniaturized for space saving design.
- ◇Superior reliability at micro-current by employing a sliding contact.
- ◇This is a compact detector switch which can be pressed either horizontally or vertically.
- ◇Reflow soldering is possible.

Applications

- ◇Mechatronic detection for audio and VCR Digital camera FDD units.

Products Number System

SW 1 AB - [] [] [] - [] []



Products Line

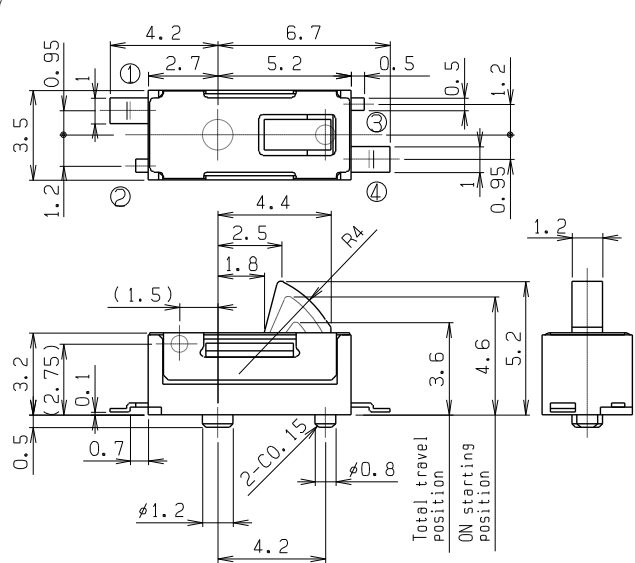
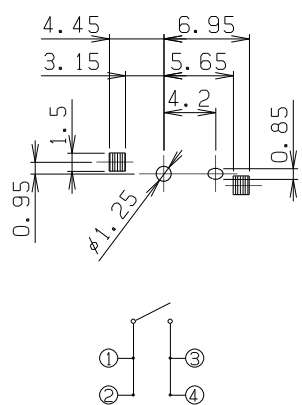
No	Products No	Pole	Position	Notes
1	SW1AB-350-T17	1	1	3 operating direction is possible.

Typical Specifications

Item	Specification
Ratings (max.)	0.1 to 5mA 5V DC (Resistive load)
Contact resistance	1 ohm max.
Insulation resistance	100 megohm min. 100V DC
Withstanding voltage	100V AC for 1min.
Operating life with load	50,000 cycles
Operating force	0.323N max.

□ Dimensions

Unit : mm

No	Style	P.C.B reference Land Dimensions Circuit diagram (TOP VIEW)
1	SW1AB-350-T17  <p>Technical drawing of the SW1AB-350-T17 switch. It includes a top view, a side view, and a detail view of the actuator. Dimensions are provided in millimeters. Key dimensions include: top view width 6.7, height 3.5, and terminal spacing 4.2; side view height 5.2, actuator height 3.6, and total travel position 4.6; detail view shows a 2-CO.15 contact and a 0.8 diameter hole. A circuit diagram below shows a switch with four terminals labeled ①, ②, ③, and ④.</p>	 <p>P.C.B reference Land Dimensions and circuit diagram (TOP VIEW). Dimensions include: terminal width 4.45, terminal spacing 3.15, terminal height 0.95, and terminal pitch 1.5. The circuit diagram shows a switch with four terminals labeled ①, ②, ③, and ④.</p>

□ Notes

- The appearance and specifications of the product may be modified to improve its performance without prior notice.
- This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- Please see appendix [Cautions in Using Switches].
- This switch is not washable.
- Soldering shall be done with actuator at free position and take care not to attach flux on plastic portion.
- Note that if the stress is applied to the terminals during soldering, they might cause deformation and defects in electrical performance.
- 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.
- In case circuit and software design consideration against chattering and bouncing shall be taken as below.
 - Read a few times. (Ex. 5ms for 5 times)
 - Set delay time.
 - Set integral circuit.
- As to threshold voltage, center setting is recommended.
- Care shall be taken not to apply stress to the body of switch as it may affect the performance.
- Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.