

Lever-type Detector Switches

SW[]AB-252 / -253 / -254 / -258 Series

Features

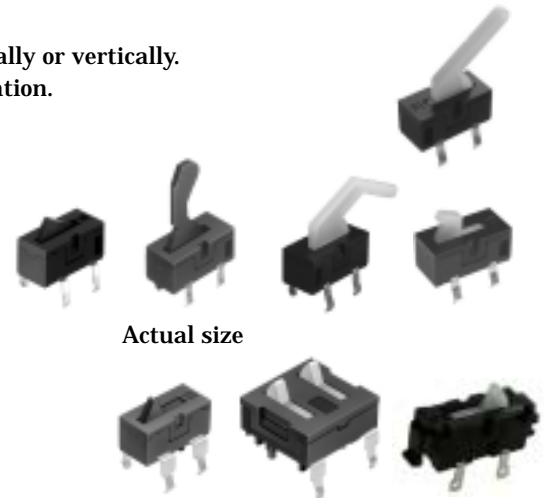
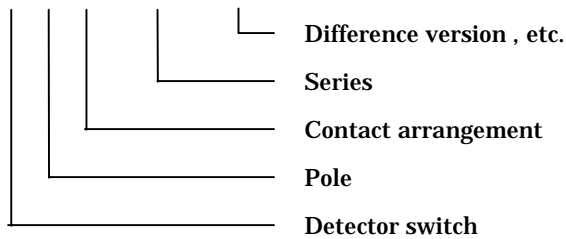
- ◁Miniaturized for space saving design.
- ◁Superior reliability at micro-current by employing a sliding contact.
- ◁This is a compact detector switch which can be pressed either horizontally or vertically.
- ◁A wide variety of operation components is possible based on the application.

Applications

- ◁Mechatronic detection for audio and VCR CD-ROM DVD units.

Products Number System

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



Products Line

No	Products No	Pole	Position	Operating force	Notes
1	SW1AB-252S	1	1	0.4N max.	2 operating direction is possible.
2	SW1AB-252-3S	1	1	0.3N max.	
3	SW1AB-252-4S	1	1	0.35N max.	
4	SW1AB-252-8S	1	1	0.35N max.	3 operating direction is possible.
5	SW1AB-252-9S	1	1	0.4N max.	2 operating direction is possible.
6	SW1AB-252-12S	1	1	0.4N max.	2 operating direction is possible.
7	SW1AB-252-13S	1	1	0.25N max.	2 operating direction is possible.
8	SW1AB-253-9	1	1	0.4N max.	2 operating direction is possible.
9	SW2AB-254-9	2	1	0.4N max.	2 operating direction is possible.
10	SW1AB-258-9	1	1	0.4N max.	2 operating direction is possible.

Notes : The above 1 to 7 are the lever-variation. (Same body)
 The above 8 to 10 are the body-variation. (Same lever)

Typical Specifications

Item	Specification
Ratings (max.)	0.5 to 10mA 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	100,000 cycles

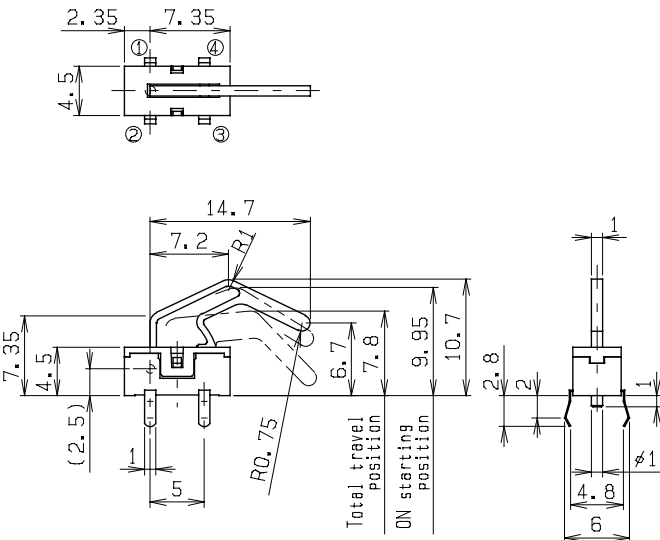
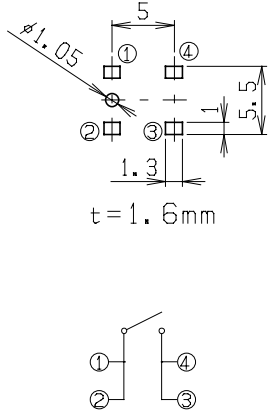
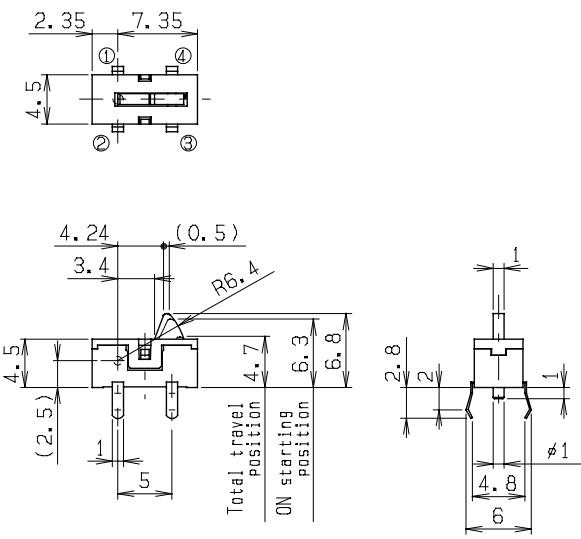
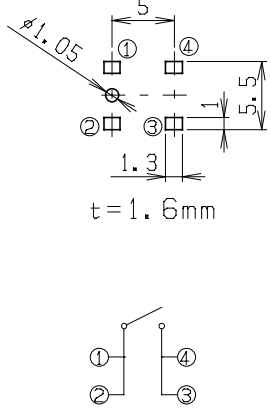
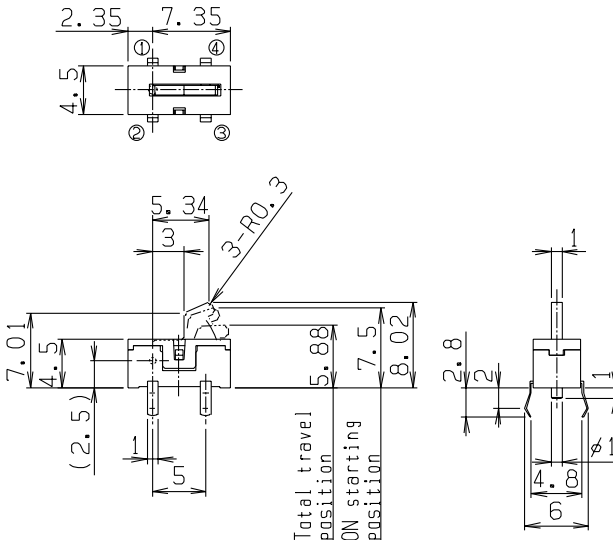
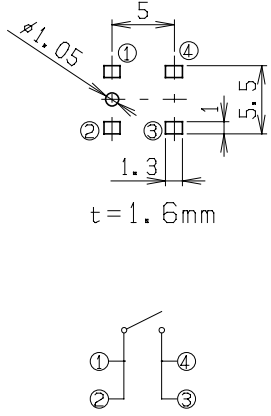
Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
1	<p>SW1AB-252S</p> <p>Variation of lever</p>	<p>t = 1.6mm</p>
2	<p>SW1AB-252-3S</p> <p>Variation of lever</p>	<p>t = 1.6mm</p>
3	<p>SW1AB-252-4S</p> <p>Variation of lever</p>	<p>t = 1.6mm</p>

Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
4	<p>SW1AB-252-8S</p>  <p>Variation of lever</p>	
5	<p>SW1AB-252-9S</p>  <p>Variation of lever</p>	
6	<p>SW1AB-252-12S</p>  <p>Variation of lever</p>	

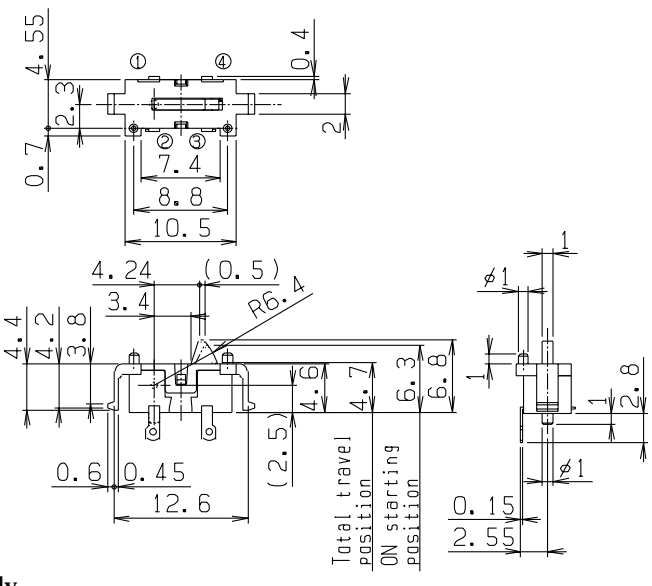
Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
7	<p>SW1AB-252-13S</p> <p>Variation of lever</p>	<p>t = 1.6mm</p>
8	<p>SW1AB-253-9</p> <p>Variation of body</p>	<p>t = 1.6mm</p>
9	<p>SW2AB-254-9</p> <p>Variation of body</p>	<p>t = 1.6mm</p> <p>Knob1</p>

Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
10	<p>SW1AB-258-9</p>  <p>Variation of body</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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Basic / Snap Action Switches](#) category:

Click to view products by [Shinmei](#) manufacturer:

Other Similar products are found below :

[5SM901-S12](#) [5SM9-S12N195](#) [602EN532](#) [602EN535-RB](#) [604HE162](#) [604HE223-6B](#) [624HE17-RB](#) [6HM82](#) [6HM89](#) [6SE1](#) [6SX1-H58](#)
[70500216](#) [70599106](#) [71051](#) [MBH2731](#) [79211923](#) [79218589](#) [7AS12](#) [MIL30126AB6BBMD4A12XAU](#) [ML-1155](#) [ML-1376](#) [831010C3.0](#)
[831090C2.EL](#) [83131904](#) [84212012](#) [8AS239](#) [8HM73-3](#) [8SX26-H33](#) [914CE1-6G](#) [PL-100](#) [11SM1077-H4](#) [11SM1077-H58](#) [11SM1-TN107](#)
[11SM405](#) [11SM8423-H2](#) [11SX37-T](#) [11SX48-H58](#) [11SM2442-T](#) [11SM76-T](#) [11SM77-H58](#) [11SM863-T](#) [11SM866](#) [A7CN-1M-1-LEFT](#)
[A831700C7.0](#) [121EN188-R](#) [1245.0120](#) [125EN56-RB](#) [1267.0101](#) [1267.7101](#) [D459-PBAA](#)