# Lever-type Detector Switches SW1AB-490 Series

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# 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.

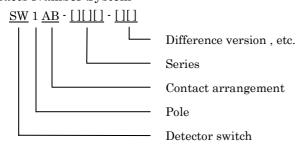


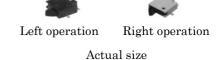
## Applications

Mechatronics detection for audio and VCR Digital camera CD-ROM DVD units.

#### Zoom

## Products Number System



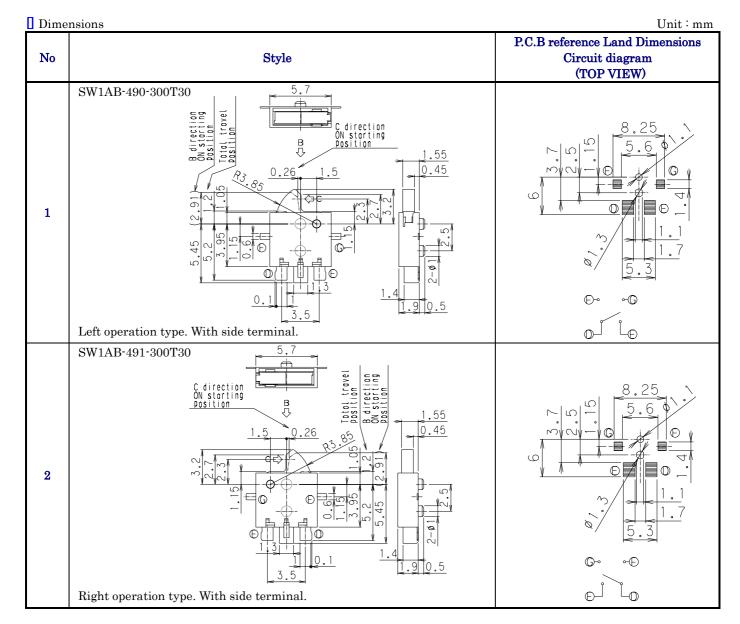


#### Products Line

No	Products No	Pole	Position	Quantity (pcs./reel)	Notes
1	SW1AB-490-300T30	1	1	3,000	Left operation type.
2	SW1AB-491-300T30	1	1	3,000	Right operation type.

Typical Specifications

Item	Specification			
Ratings (max.)	0.05 to 10mA 3 to 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	0.5N max.			



#### Notes

- 1. The appearance and specifications of the product may be modified to improve its performance without prior notice.
- 2. This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- 3. Please see appendix [Cautions in Using Switches].
- 4. This switch is not washable.
- 5. Soldering shall be done with actuator at free position and take care not to attach flux on plastic portion.
- 6. Note that if the stress is applied to the terminals during soldering, they might cause deformation and defects in electrical performance.
- 7. 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.
- 8. 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.

- 9. As to threshold voltage, center setting is recommended.
- 10. Care shall be taken not to apply stress to the body of switch as it may affect the performance.
- 11. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.