

Push-type Detector Switches

SW-153-2A

□ Features

- ◇ Miniaturized for space saving design.
- ◇ Superior reliability at micro-current by employing a sliding contact.
- ◇ Light operating force.

□ Applications

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



Actual size

□ Products Line

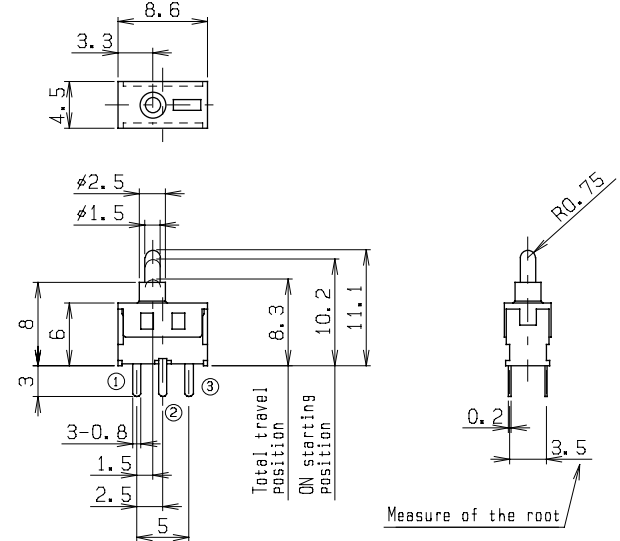
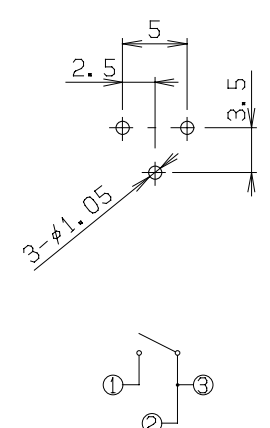
No	Products No	Pole	Position	Notes
1	SW-153-2A	1	1	

□ Typical Specifications

Item	Specification
Ratings (max.)	1mA 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
Operating force	0.245N max.

□ Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
1	SW-153-2A  <p>Technical drawing of SW-153-2A switch showing front, side, and detail views with dimensions. Dimensions include: 8.6, 3.3, 4.5, 8, 6, 3, 3-0.8, 1.5, 2.5, 5, 8.3, 10.2, 11.1, 0.2, 3.5, 0.75, 2.5, 5, 3.5, 3-φ1.05. Labels include 'Total travel position', 'ON starting position', and 'Measure of the root'.</p>	 <p>P.C.B reference mounting hole dimensions and circuit diagram (TOP VIEW). Dimensions include: 2.5, 5, 3.5, 3-φ1.05. The circuit diagram shows terminals 1, 2, and 3.</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.