## $\square$ Features

<>Miniaturized for space saving design.
<>Superior reliability at micro-current by employing a sliding contact.
<>Available in wide variety of mounting methods, operating methods etc.
$\square$ Applications
<>Mechatronic detection for audio and VCR CD-ROM DVD units.
$\square$ Products Number System


Difference version , etc.
Series
Detector switch
[] Products Line

| No | Products No | Pole | Position | Operating <br> force | Notes |
| :---: | :--- | :---: | :---: | :---: | :---: |
| 1 | SW-110-6 | 1 | 1 | 1.0 N max. |  |
| 2 | SW-111 | 1 | 1 | 0.5 N max. |  |
| 3 | SW-114S | 1 | 1 | 0.5 N max. |  |
| 4 | SW-115-1S3 | 1 | 1 | 0.65 N max. |  |

$\square$ Typical Specifications

| Item | Specification |
| :--- | :--- |
| Ratings (max.) | $0.5-10 \mathrm{~mA} 5 \mathrm{~V}$ DC (Resistive load) |
| Contact resistance | 1 ohm max. |
| Insulation resistance | 100 megohm min. 100V DC |
| Withstanding voltage | 100 V AC for 1 min. |
| Operating life with load | 50,000 cycles |


| No | Style | P.C.B reference mounting hole Dimensions, Circuit diagram (TOP VIEW) |
| :---: | :---: | :---: |
| 1 | SW-110-6 | ${ }_{0} \mathrm{~L}_{0}$ |
| 2 | SW-111 |  |
| 3 | SW-114S |  |

[ Dimensions
Unit: mm

| No | Style | P.C.B reference mounting hole Dimensions, Circuit diagram (TOP VIEW) |
| :---: | :---: | :---: |
| 4 | SW-115-1S3 |  |

[ 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. 5 ms 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.

