

Push-type Detector Switches SW1AG-550 Series

1/3

Features

- ◇ Snap-in structure and connector fixing terminal, can be mounted flexibly.
- ◇ Superior reliability at micro-current by employing a sliding contact.

Applications

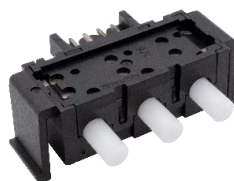
- ◇ Mechatronic detection for photocopy machine.



SW1G-550



SW1AG-552



SW3AG-553



SW4AG-554

Products Line

No	Products No	Pole	Position	Operating force	Notes
1	SW1AG-550	1	1	1N max	
2	SW1AG-552	1	1	(0.686)N	Travel of recommended operating position
3	SW3AG-553	3	1	1.8N max	
4	SW4AG-554	4	1	1.8N max	

Typical Specifications

Item	Specification
Ratings (max / min.)	10mA 5V DC / 0.05mA 3V DC (Resistive load)
Contact resistance	100 milliohm max.
Insulation resistance	100 meg ohm min. 100V DC
Withstanding voltage	100V AC for 1min.
Operating life with load	100,000 cycles

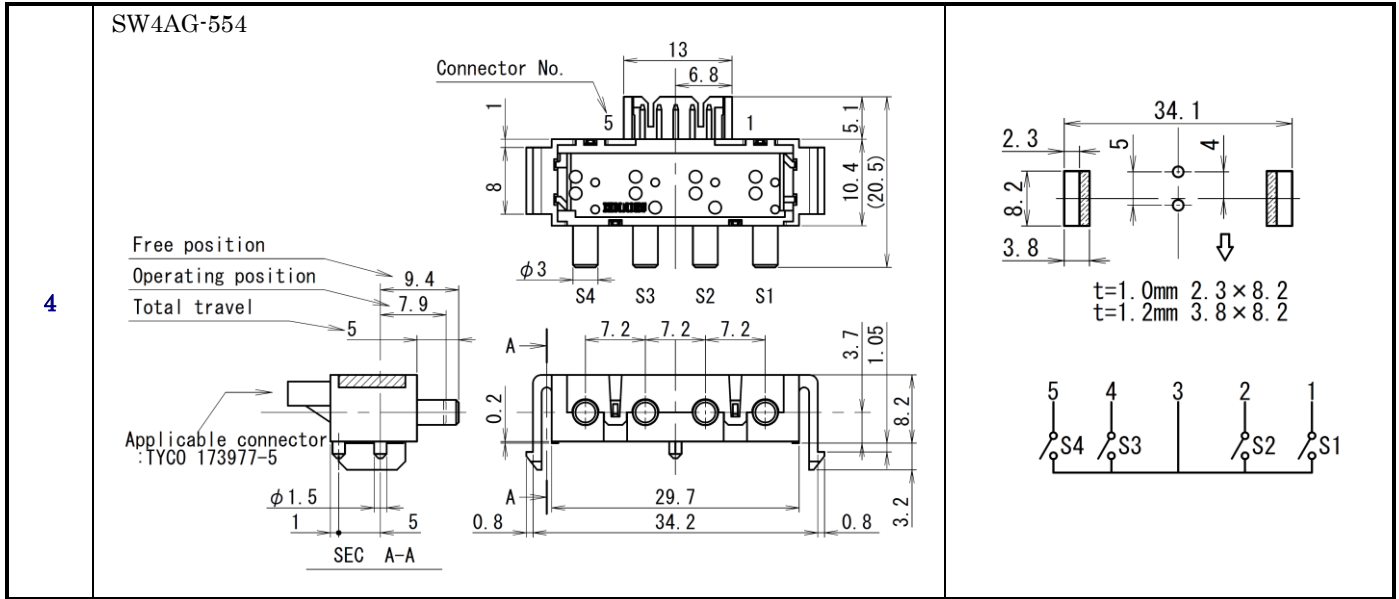
Dimensions

Unit : mm

No	Style	P.C.B reference mounting hole Dimensions , Circuit diagram (TOP VIEW)
1	<p>SW1AG-550</p>	
2	<p>SW1AG-552</p>	
3	<p>SW3AG-553</p>	

Dimensions

Unit : mm



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. The attachment and detachment of connectors shall be made according to the specified direction and not apply stress to the other directions.
6. The mounting of the switches on the panel shall be made vertically to the mounting direction and the stress from other directions shall not be applied to the switches.
Mounting should be done in an environment of 15 degree Celsius or higher.
7. 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.
8. As to threshold voltage, center setting is recommended.
9. Care shall be taken not to apply stress to the body of switch as it may affect the performance.
10. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.