

# Paper detector, Detector Switches SW-166 Series

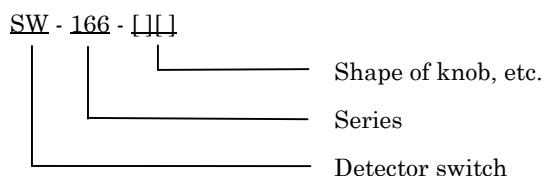
## Features

- ◇ Slight-touch switch for paper detection.
- ◇ Superior for reliability at micro-current by employing a sliding contact.
- ◇ Permits mounting to panel.
- ◇ A wide variety of operation components
- ◇ Suitable connector : PHR-2(J.S.T,MFG,Co.,LTD.)

## Applications

- ◇ Paper detection for facsimiles and printers etc.
- ◇ For OA equipment.

## Products Number system



Actual size

## Products Line

No	Products No.	Pole	Position	Operating force
1	SW-166AU	1	1	0.029N max
2	SW-166-21AU	1	1	0.025N max
3	SW-166-26AU	1	1	0.064N max
4	SW-166-27AU	1	1	0.029N max
5	SW-166-28AU	1	1	0.34N max

Note : The above 1 to 5 are the knob-variation.

## Typical Specifications

Item	Specifications
Ratings (max.)	1mA 5V DC (Resistive load)
Contact resistance	10 ohm max
Insulation resistance	50 megohm min. 100V DC
Withstanding voltage	100V AC for 1min
Operating life with load	100,000 cycles

Dimensions

Unit : mm

No	Style
1	<p>SW-166AU</p> <p>Variation of knob</p>
2	<p>SW-166-21AU</p> <p>Variation of knob</p>

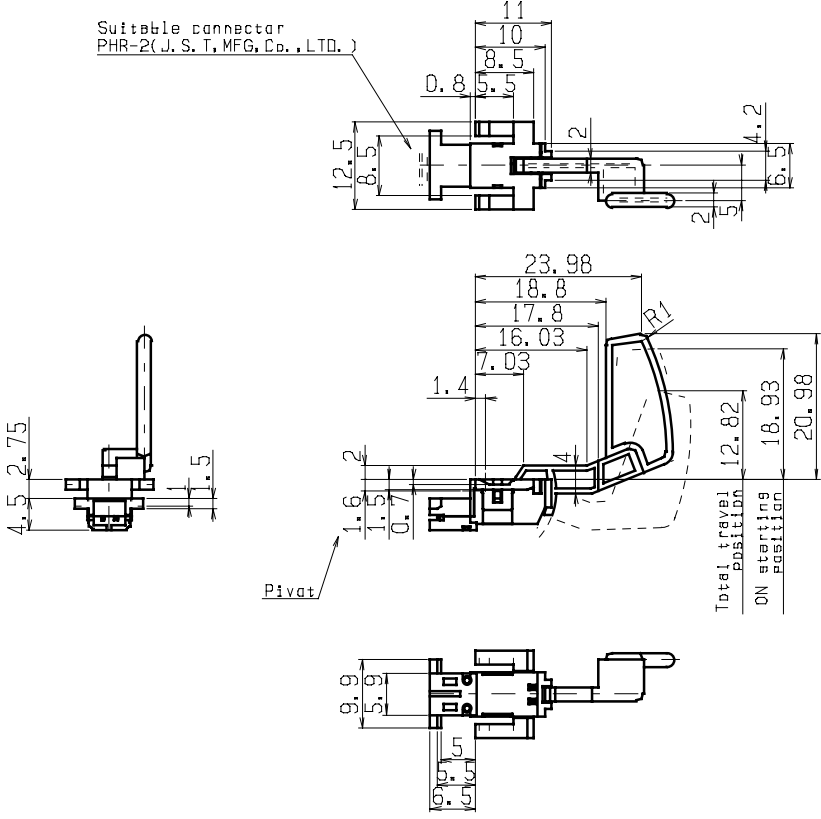
Dimensions

Unit : mm

No	Style
3	<p>SW-166-26AU</p> <p>Suitable connector PHR-2 (J. S. T. MFG. Co., LTD.)</p> <p>Pivot</p> <p>Total travel Position ON starting Position</p>
4	<p>SW-166-27AU</p> <p>Suitable connector PHR-2 (J. S. T. MFG. Co., LTD.)</p> <p>Pivot</p> <p>Total travel Position ON starting Position</p>
	Variation of knob

## □ Dimensions

Unit : mm

No	Style
5	<p data-bbox="213 273 373 300">SW-166-28AU</p>  <p data-bbox="213 1151 408 1178">Variation of knob</p>

## □ 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. When connecting the connector, put straight and do not force a different direction.
6. Please connect the connector, before mounting.
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. External force and inverse motion applied to switch knob may cause destruction of knob.
10. Care shall be taken not to apply stress to the body of switch as it may affect the performance.
11. This product is a type of slight-touch switch , under some conditions with bouncing of knob itself re-turning-on after return of knob may be occurred.
12. Please confirm the performance on actual operation by simulation with actual environment environments for high reliability.