

Encoder Switch

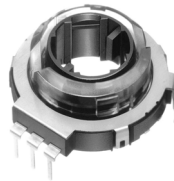
SSS-30MD, SSS-42MD, SSS-39MD, Series

Features

- ◇A hollow shaft type encoder.
- ◇Superb reliability by our own sliding contacts mechanism.
- ◇A good click feeling.
- ◇Please consult with us about the cap style beforehand.



SSS-30MD



SSS-42MD

Actual size



SSS-39MD

Applications

- ◇VTR FAX COPY CAR STEREO

Products Line

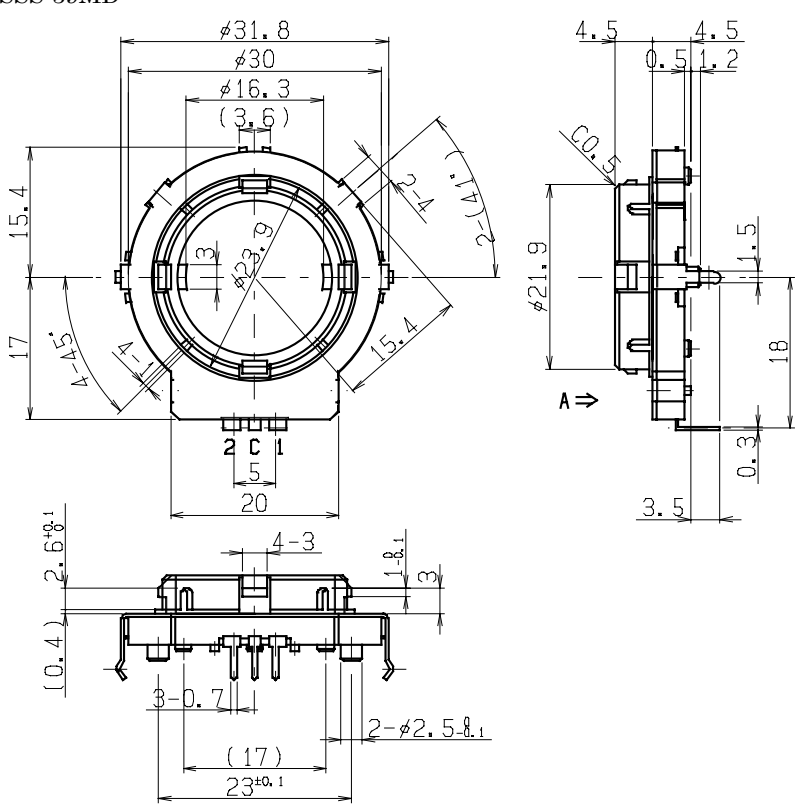
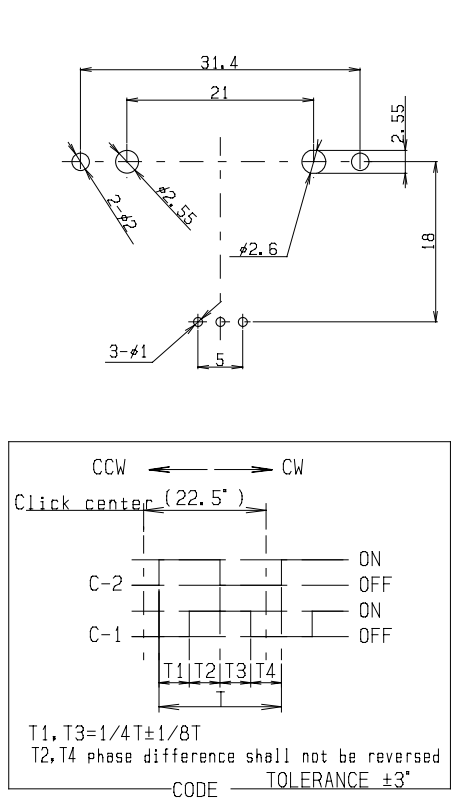
No	Products No	Number of detent	Output code	Rotational torque	Recommended Thickness of P-C-B	Features
1	SSS-30MD	20	10 Pulse (Phase shift)	7 +or- 3 mN-m	1mm	LED type
2	SSS-42MD				1mm	
3	SSS-39MD	16	16 Pulse (Phase shift)	5 +or- 2 mN-m	1mm	

Typical Specifications

Item	Specifications
Ratings(max)(Resistive load)	10mA 5V DC
Operating life	50,000 cycles
Operating temperature range	-10 +or- 2 to 60 +or- 2 degree Celsius
Storage temperature range	-20 +or- 2 to 70 +or- 2 degree Celsius

Dimensions

Unit : mm

No	Style	P-C-B mounting hole Dimensions Circuit diagram (TOP VIEW)
3	<p>SSS-39MD</p>  <p>Technical drawings of the SSS-39MD switch. The top view shows a circular body with an outer diameter of $\phi 31.8$ and an inner diameter of $\phi 30$. The mounting hole diameter is $\phi 16.3$ with a hole-to-hole distance of 31.4. The terminal pitch is 2.6. The side view shows a total height of 18 and a mounting hole offset of 0.5. The bottom view shows a terminal pitch of 2.6 and a terminal diameter of $\phi 2.5$.</p>	 <p>P-C-B mounting hole dimensions and circuit diagram (TOP VIEW) for SSS-39MD. The diagram shows a circular body with a diameter of $\phi 31.4$ and a mounting hole diameter of $\phi 2.55$. The hole-to-hole distance is 21. The terminal pitch is 2.6. The circuit diagram shows a 3-position switch with terminals C-2 and C-1. The terminal positions are ON, OFF, ON, OFF. The terminal positions are T1, T2, T3, T4. The terminal pitch is 2.6. The terminal diameter is $\phi 2.5$. The terminal pitch is 2.6. The terminal diameter is $\phi 2.5$.</p> <p>CCW ← → CW Click center (22.5°)</p> <p>C-2 — ON — OFF</p> <p>C-1 — ON — OFF</p> <p>T1 T2 T3 T4</p> <p>T1, T3 = $1/4T \pm 1/8T$ T2, T4 phase difference shall not be reversed</p> <p>CODE — TOLERANCE $\pm 3^*$</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 lever switch is not washable.
- Soldering shall be done with lever 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.