



Data Specs

EC11 Rotary Encoder with Push Button Switch

This rotary encoder is a rotary input device (as in knob) that provides an indication of how much the knob has been rotated AND what direction it is rotating in. It's a great device for stepper and servo motor control. You could also use it to control devices like digital potentiometers. Compact design, long life and high reliability.



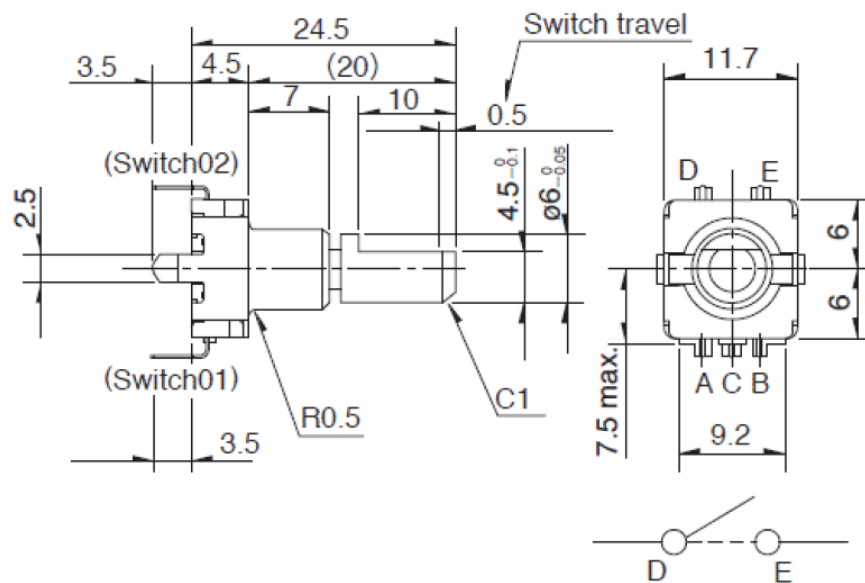
SKU: [SWH1054](#)

Brief Data:

- Type: Rotary Encoder with Push button switch.
- Shaft Style: Knurled.
- Pulses/Revolution: 20/360°.
- Step Angle: 18°.
- Switch: Single pole single throw (Push-on).
- Shaft Diameter: Ø6mm.
- Encoder Reading: Incremental.
- Encoder Signal: Digital Square Wave.
- Shaft Length: 20mm.
- Mounting Type: Through Hole.

Mechanical Dimensions:

Unit: mm

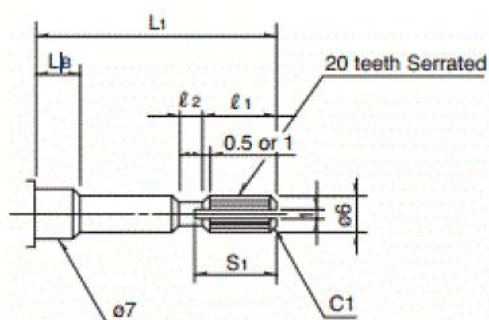


Single-shaft Type

1) Knurled Type

Unit : mm

Style (Shaft diameter : $\phi 6$)

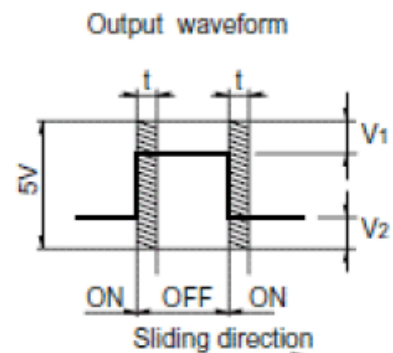
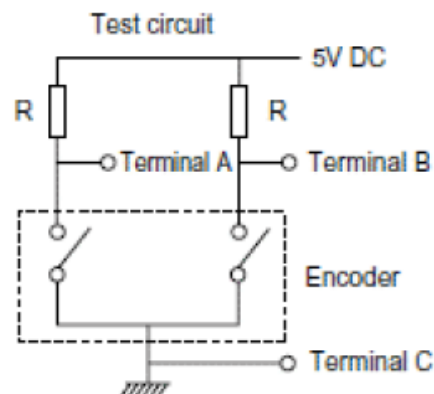


● Detailed dimensions

L_1	L_B	ℓ_1	ℓ_2	S_1
20	7	6	1	7
25	10	10	2	11

Test Circuit:

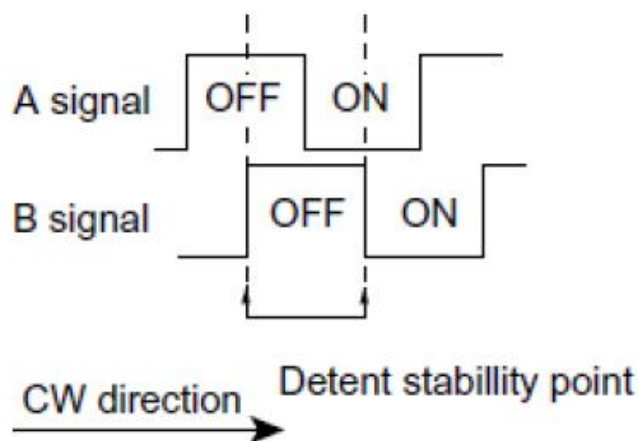
$$V_1 = V_2 = 1.5V \text{ max.}$$



Measurement condition : Rotation speed 360°/s t : Masking time to avoid chattering

Output Wave

The stable detent position cannot be identified in phase B.





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