

Data sheet

Encoder

Model EN11



- 11 mm rotary encoder
- 2 bits gray code, incremental / contacting type
- Metal bushing / shaft
- Push-on switch option
- RoHS compliant

Model styles

Top adjust, with switch, threaded bushing	EN11-HSM	Side adjust, with switch, threaded bushing	EN11-VSM
Top adjust, without switch, threaded bushing	EN11-HNM	Side adjust, without switch, threaded bushing	EN11-VNM
Top adjust, with switch, plain bushing	EN11-HSB	Side adjust, with switch, plain bushing	EN11-VSB
Top adjust, without switch, plain bushing	EN11-HNB	Side adjust, without switch, plain bushing	EN11-VNB

Electrical

Pulses (per revolution)	20	Sliding noise (at 60 RPM)	2.0 ms max.
Encoder closed circuit resistance	3 Ω , max.	Contact bounce (at 15 RPM)	5.0 ms max.
Encoder contact rating	10 mA / 5 Vdc	Operating speed (RPM)	100 RPM max.
Operating current, max.	10 mA	Switch power rating	10 mA / 5 Vdc
Dielectric strength	300 Vac / 1 mA, 1 minute	Switch contact resistance	100 milli Ω
Insulation resistance, min.	100 M Ω at 250 Vdc / 1 mA	Actual electrical travel, nominal	continuous

Mechanical

Total mechanical travel	continuous	Switch operating force	550 gf
Detents (per revolution)	0 and 20	Switch travel	0.5 mm
Rational torque of detent, max.	2.5 oz-in		

Environmental

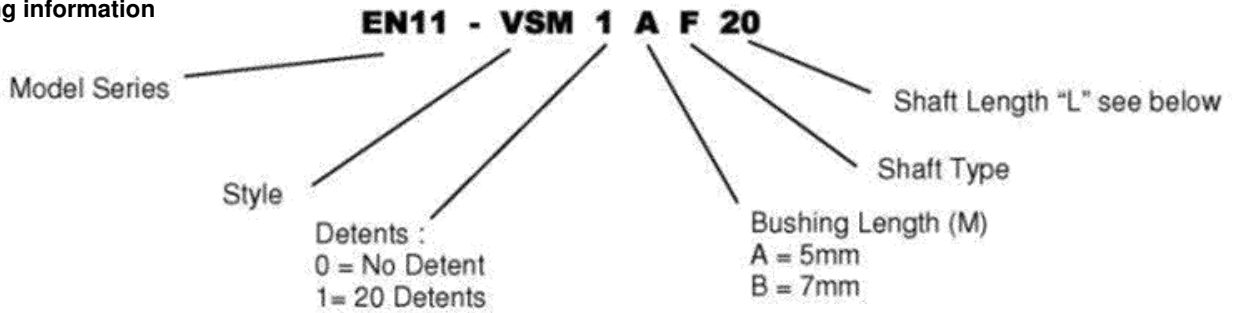
Operating temperature range	- 30 °C to + 85 °C	Rational life	30,000 cycles
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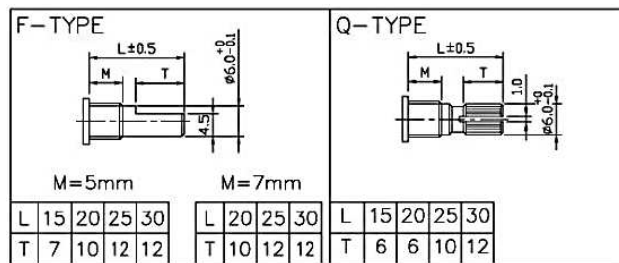
Encoder

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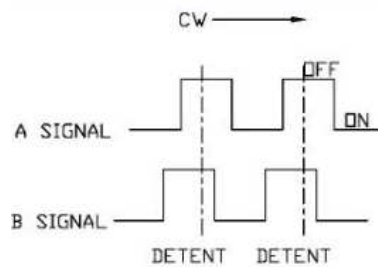
Ordering information



Shaft length options



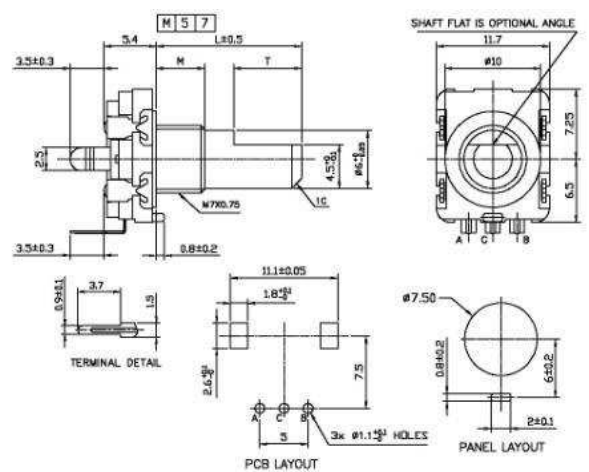
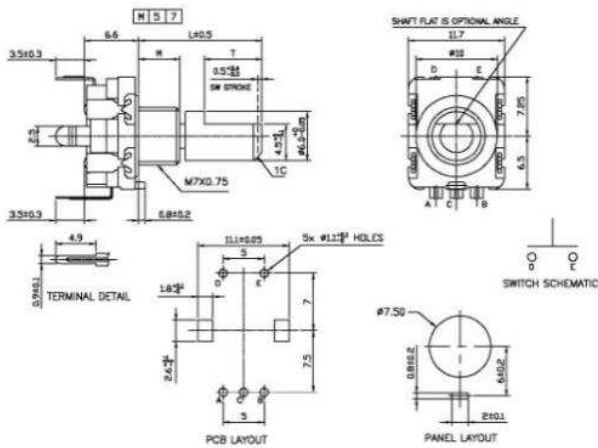
Circuit diagram



Outline drawing

EN11-HSM (Top adjust, with switch, threaded bushing)

EN11-HNM (Top adjust, without switch, threaded bushing)



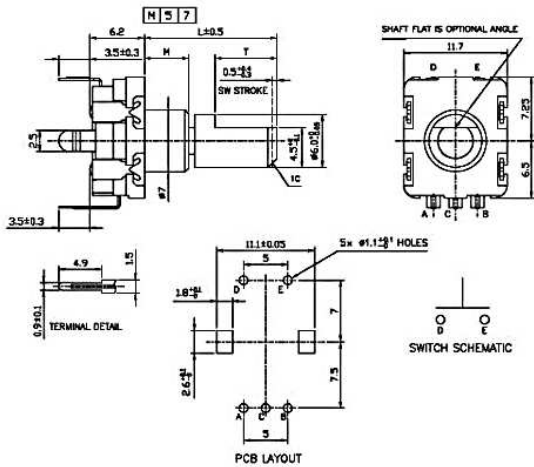
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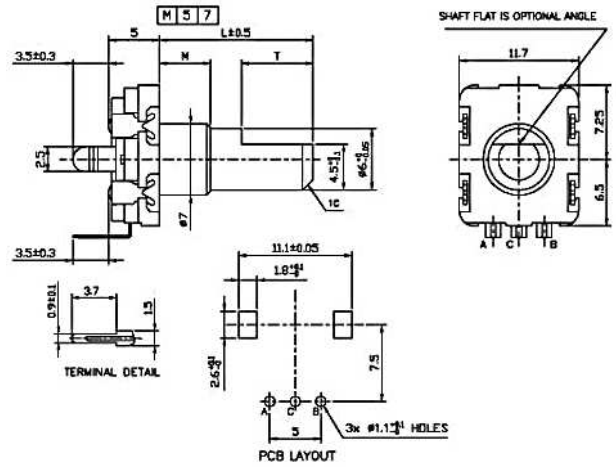
Model EN11

Outline drawing

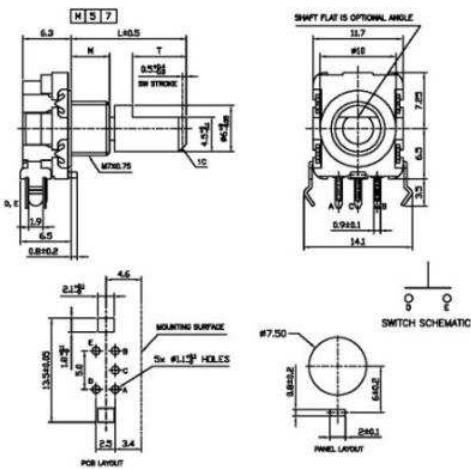
EN11-HSB (Top adjust, with switch, plain bushing)



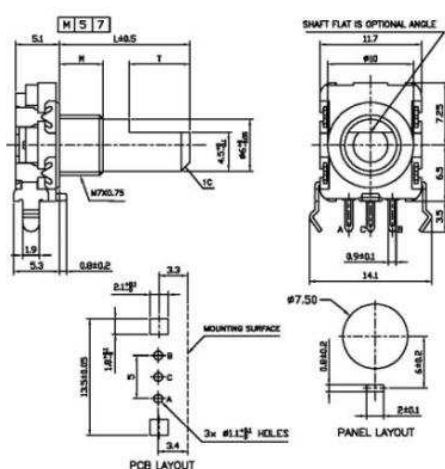
EN11-HNB (Top adjust, without switch, plain bushing)



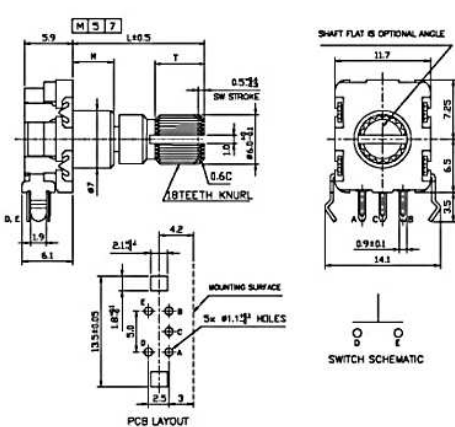
EN11-VSM (Side adjust, with switch, threaded bushing)



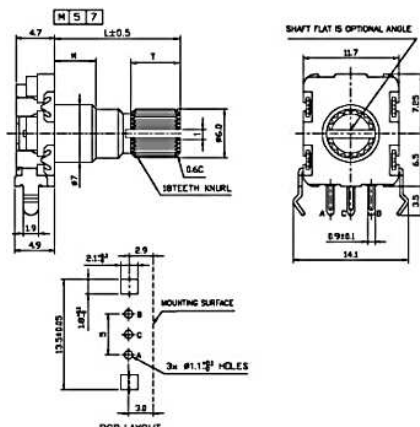
EN11-VNM (Side adjust, without switch, threaded bushing)



EN11-VSB (Side adjust, with switch, plain bushing)



EN11-VNB (Side adjust, without switch, plain bushing)



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