Rotary Encoder

Model EN11 Series



Features:

- 11 mm
- 2 bits gray code
- Incremental/contacting type
- Metal bushing/shaft
- Push-on switch option





Model Styles Available	
Top Adjust, with Switch, Threaded Bushing	EN11-HSM
Top Adjust, without Switch, Threaded Bushing	EN11-HNM
Top Adjust, with Switch, Plain Bushing	EN11-HSB
Top Adjust, without Switch, Plain Bushing	EN11-HNB
Side Adjust, with Switch, Threaded Bushing	EN11-VSM
Side Adjust, without Switch, Threaded Bushing	EN11-VNM
Side Adjust, with Switch, Plain Bushing	EN11-VSB
Side Adjust, without Switch, Plain Bushing	EN11-VNB
Electrical	
Pulses (Per Revolution)	15, 20
Encoder Closed Circuit Resistance	3 Ohms, max.
Encoder Contact Rating	10mA/ 5Vdc
Operating Current, Maximum	10mA
Dielectric Strength	300Vac/1mA, I minute
Insulation Resistance, Minimum	100M ohms at 250Vdc/ 1mA
Sliding Noise (at 60 RPM)	2.0ms max.
Contact Bounce (at 15 RPM)	5.0ms max.
Operating Speed (RPM)	100 RPM max.
Switch Power rating	10mA/ 5Vdc
Switch Contact Resistance	100 milliohms
Actual Electrical Travel, Nominal	Continuous
Mechanical	
Total Mechanical Travel	Continuous
Detents (per Revolution)	0, 20 and 30
Rotational Torque of Detent, Maximum	2.5 oz-in
Switch Operating Force	550 gf
Switch Travel	0.5mm

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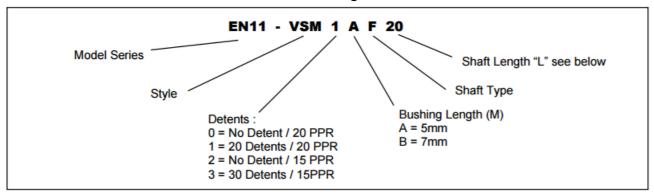
Model EN11 Series



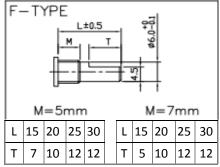
Environmental

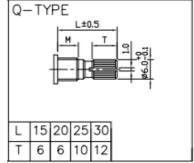
Rotational Life 30,000 cycles

Ordering

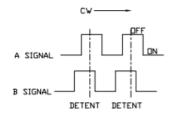


Shaft Types

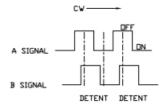




Circuit Diagram



For 20 PPR (B leads A)



For 15 PPR (A leads B)

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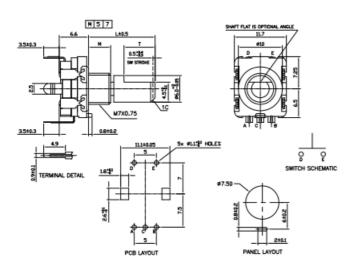
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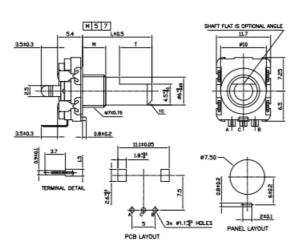


Outline Drawings

MODEL EN11-HSM (Top Adjust, with Switch, Threaded Bushing)

MODEL EN11-HNM (Top Adjust, without Switch, Threaded Bushing)





MODEL EN11-HSB (Top Adjust, with Switch, Plain Bushing)

M S 7 3.5±0.3 M S 17 0.5:25 SMAT FLAT IS OPTIONAL ANGLE 1.17

MODEL EN11-HNB (Top Adjust, without Switch, Plain Bushing)

