Model EN11

11mm Rotary Encoder
2 Bits Gray Code
Incremental/Contacting Type
Metal Bushing/Shaft
Push-on Switch Option
RoHS Compliant



MODEL STYLES	1
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 ¹	ENTIVIE
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

¹ Specifications subject to change without notice.

BI Technologies Corporation

4200 Bonita Place, Fullerton, CA 92835 USA

Phone: 714 447 2345 Website: www.bitechnologies.com



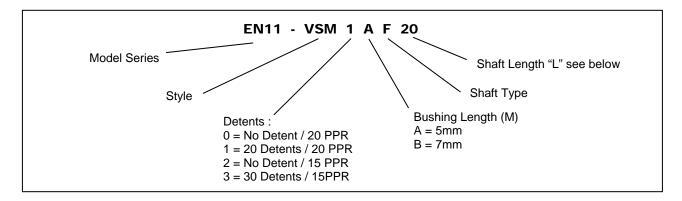
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Model EN11

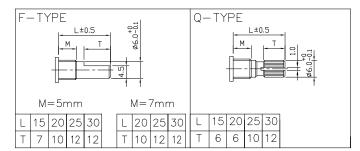
ENVIRONMENTAL

Rotational Life 30,000 cycles

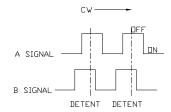
ORDERING INFORMATION²



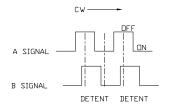
Shaft Types



CIRCUIT DIAGRAM



For 20 PPR (B leads A)



For 15 PPR (A leads B)

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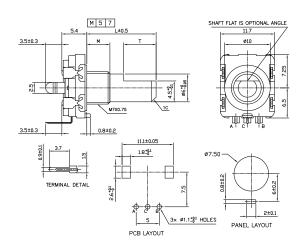
Contact our customer service for custom designs and features.

OUTLINE DRAWING

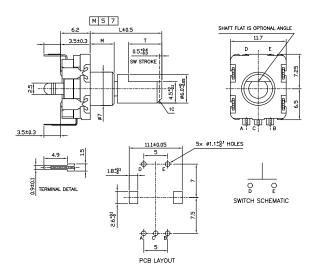
MODEL EN11-HSM (Top Adjust, with Switch, Threaded Bushing)

3.5±0.3 M 5 7 SHAFT FLAT IS OPTIONAL ANGLE 11.7 910 N 7X0.75 SWITCH SCHEMATIC 97.50 PANEL LAYOUT PANEL LAYOUT

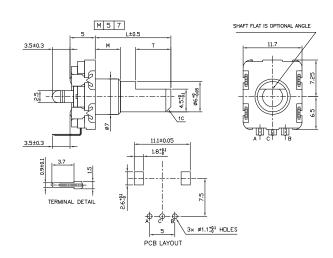
MODEL EN11-HNM (Top Adjust, without Switch, Threaded Bushing)



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



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



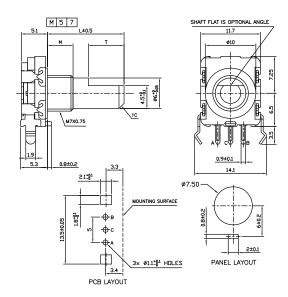
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Model EN11

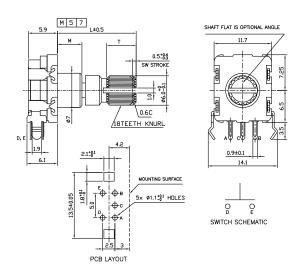
MODEL EN11-VSM (Side Adjust, with Switch, Threaded Bushing)

SHAFT FLAT IS OPTIONAL ANGLE 11.7 910 97.50 98.0.2 97.50 97.50 97.50 98.0.2 97.50 PAREL LAYOUT PAREL LAYOUT

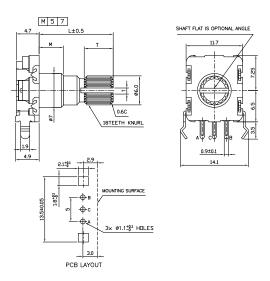
MODEL EN11-VNM (Side Adjust, without Switch, Threaded Bushing)



MODEL EN11-VSB (Side Adjust, with Switch, Plain Bushing)



MODEL EN11-VNB (Side Adjust, without Switch, Plain Bushing)



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