### **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

**Flectrical** 

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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

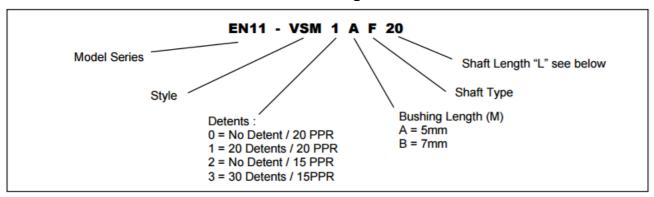
### **Model EN11 Series**



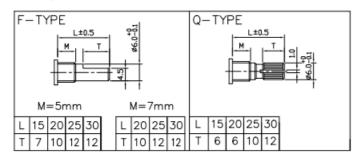
#### **Environmental**

Rotational Life 30,000 cycles

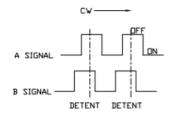
#### **Ordering**



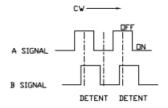
#### **Shaft Types**



#### **Circuit Diagram**



For 20 PPR (B leads A)



For 15 PPR (A leads B)

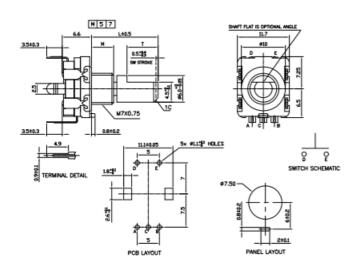
# **Model EN11 Series**

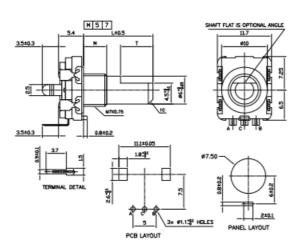


## **Outline Drawings**

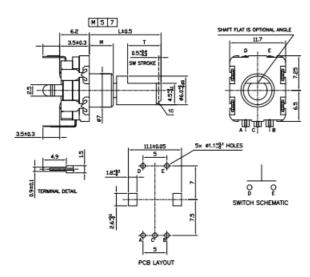
#### **MODEL EN11-HSM** (Top Adjust, with Switch, Threaded Bushing)

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

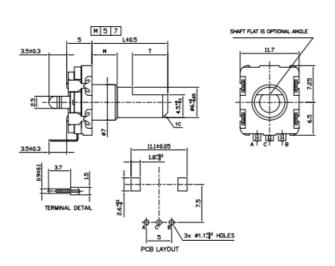




#### MODEL EN11-HSB (Top Adjust, with Switch, Plain Bushing)



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

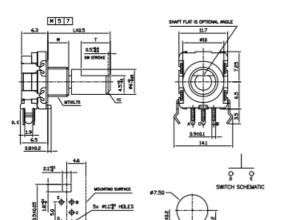


# **Model EN11 Series**

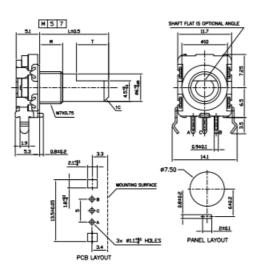


#### **Outline Drawings**

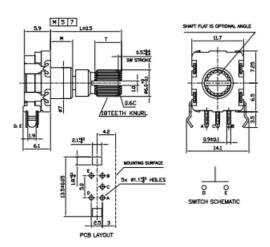
MODEL EN11-VSM (Side Adjust, with Switch, Threaded Bushing)



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)

