

# Rotary Encoder

## Model EN16 Series



### Features:

- 16 mm
- 2 bits gray code
- Incremental/contacting type
- Metal bushing/shaft

RoHS 2  
compliant



### Model Styles Available

|                              |        |
|------------------------------|--------|
| <u>Top Adjust, PCB pins</u>  | EN16-H |
| <u>Side Adjust, PCB pins</u> | EN16-V |

### Electrical

|  |                        |
|--|------------------------|
| <u>Pulses ( Per Revolution )</u>         | 12 & 24                |
| <u>Closed Circuit Resistance, Ohms</u>   | 3 Ohms, max.           |
| <u>Contact Rating</u>                    | 0.5mA/ 5Vdc            |
| <u>Operating Current, Maximum</u>        | 0.5mA                  |
| <u>Dielectric Strength</u>               | 50Vac/ 1mA, 1 minute   |
| <u>Insulation Resistance, Minimum</u>    | 10M ohms at 50Vdc/ 1mA |
| <u>Sliding Noise ( at 60 RPM )</u>       | 2.0ms max.             |
| <u>Contact Bounce ( at 15 RPM)</u>       | 5.0ms max.             |
| <u>Operating speed ( RPM )</u>           | 100 RPM max.           |
| <u>Actual Electrical Travel, Nominal</u> | Continuous             |

### Mechanical

|   |            |
|---|------------|
| <u>Total Mechanical Travel</u>              | Continuous |
| <u>Detents (per Revolution)</u>             | 0,12, 24   |
| <u>Rotational Torque of Detent, Maximum</u> | 2.5 oz-in  |

### Environmental

|                                    |                |
|------------------------------------|----------------|
| <u>Operating Temperature Range</u> | -30°C to +85°C |
| <u>Rotational Life</u>             | 30,000 cycles  |

#### General Note

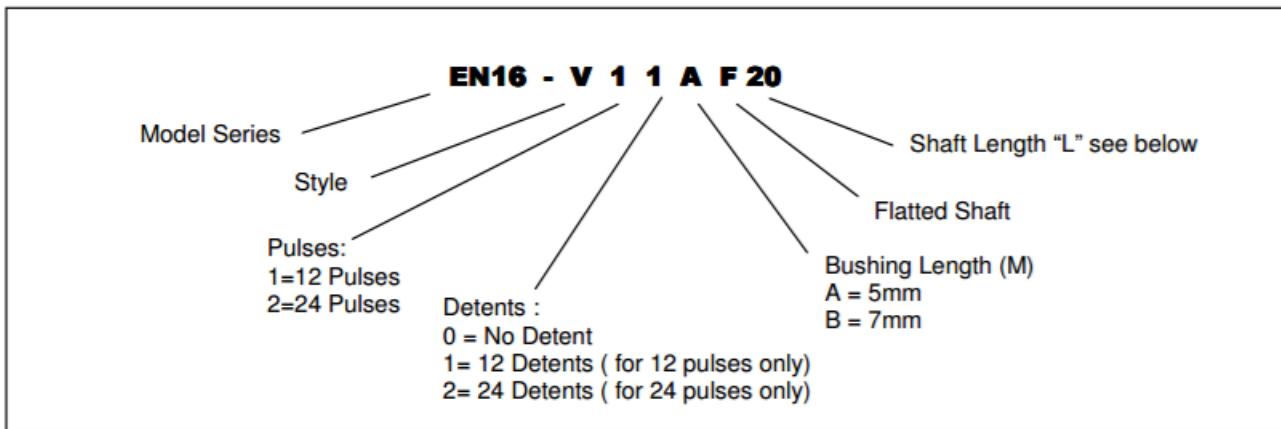
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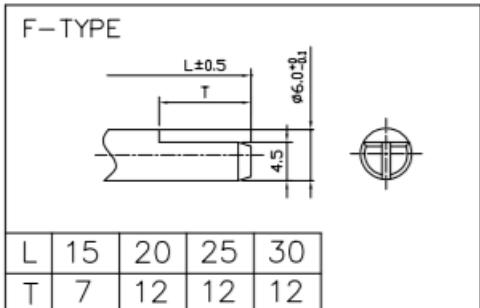
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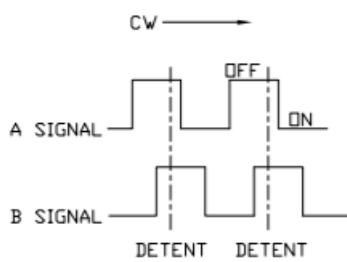
### Ordering



### Shaft Length options



### Circuit Diagram



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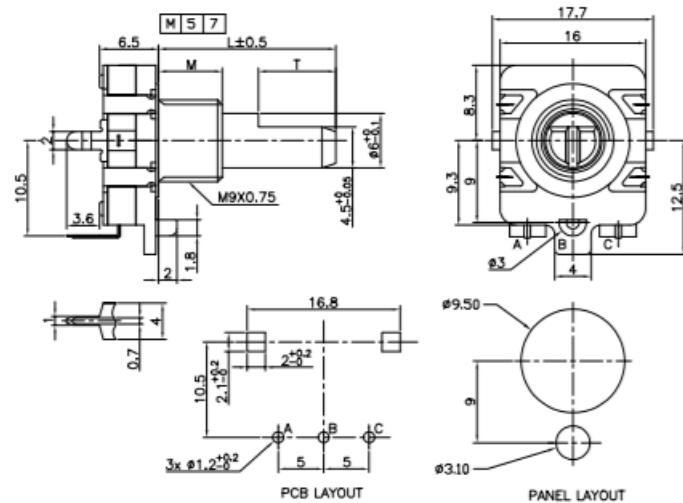
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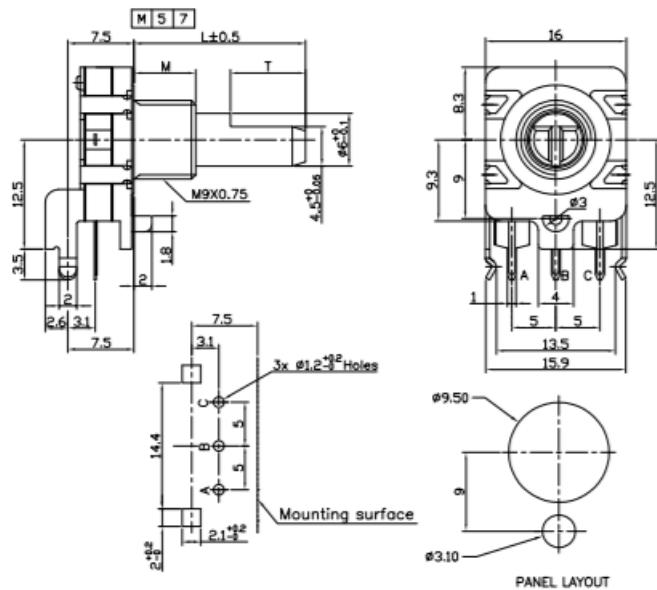


### Outline Drawings

EN16-H (Top Adjust, PCB pins)



EN16-V (Side Adjust, PCB pins)



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