



Feature

- 1.High resolution of 12 pulse and 24 pulse in 16mm size.
- 2.Compact and highly accurate contact type encoder.
- 3.Incremental type.

F16E Series Rotary Encoder

Electrical characteristics

- Rated Power.....DC 5V, 5mA(0.5mA Min)
- Fluttering..... $T_1, T_3 \leq 3\text{ms}$
- Insulation Resistance.....More than $10\text{M}\Omega$ at DC50V 1mA
- Withstand voltage.....1 minute at AC 50V 1mA
- Sliding Noise(Bounce)..... $T_2 \leq 2\text{ms}$
- Phase Difference..... $\Delta T \geq 0.08T$

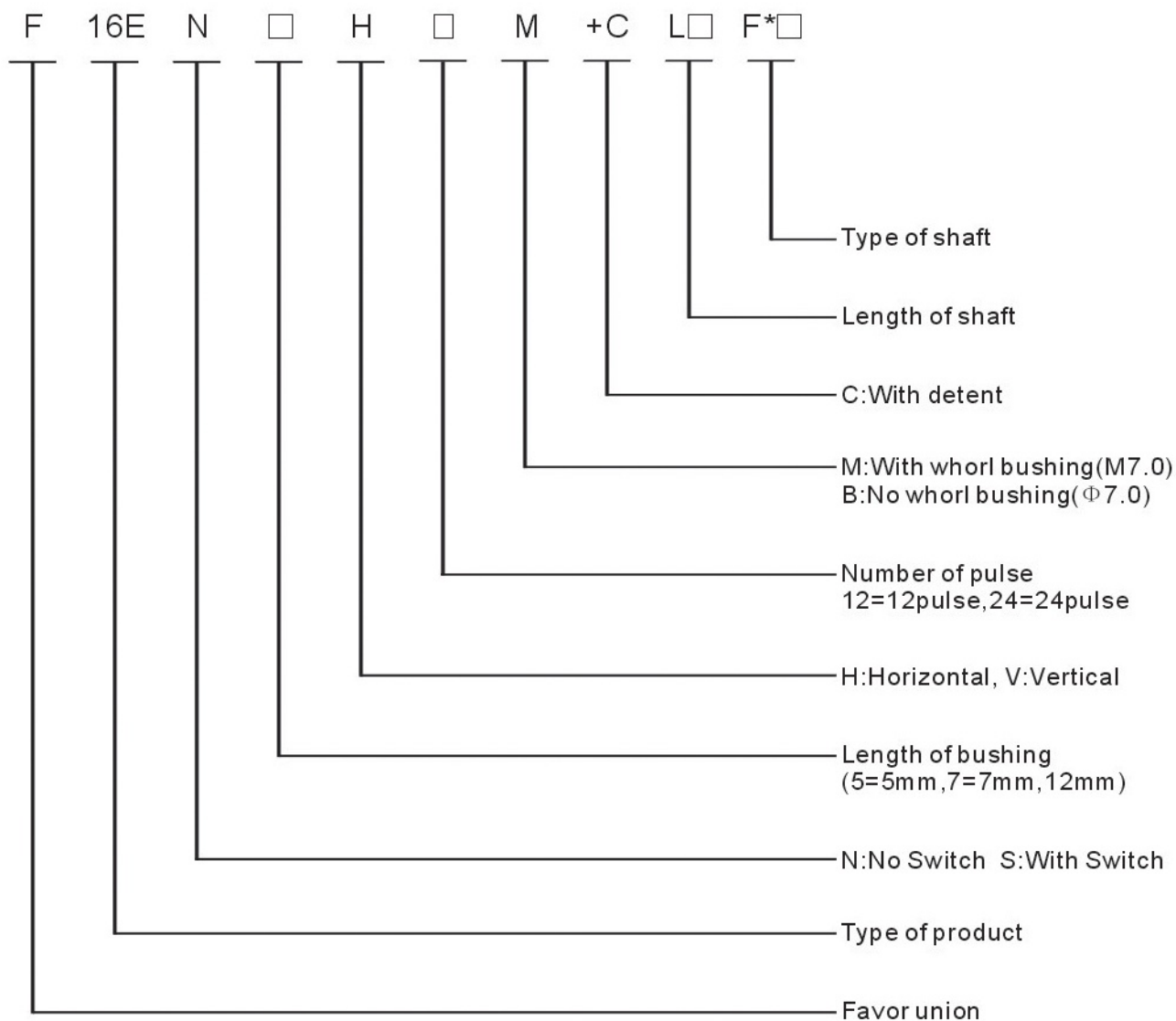
Mechanical characteristics

- Rotational Torque of Detent.....30gf.cm~130gf.cm
- Total Rotational Angle..... 360° Continuous
- Number and Position of Detent.....12Detents (Angle: $30^\circ \pm 3^\circ$)
24Detents (Angle: $15^\circ \pm 3^\circ$)
- Push-Pull Strength8.0Kgf Min for 10Sec.
- Bushing & nut tight strength.....10.0Kgf Min

Durability

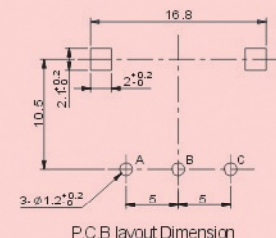
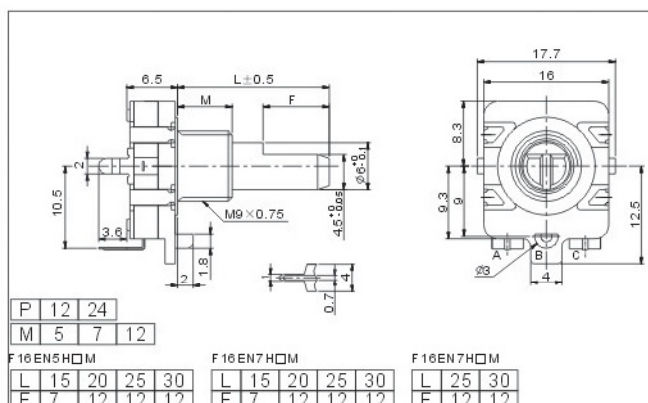
- Rotational Life.....15,000 Cycles Min

HOW TO ORDER



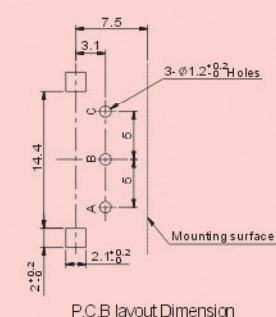
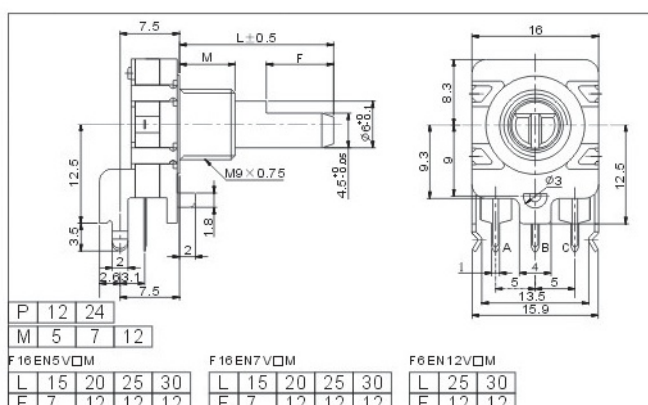
F16EN□H□M

Horizontal Type, Single Unit,
P.C.B. Terminal



F16EN□V□M

Vertical Type, Single Unit,
P.C.B. Terminal



Output Singal Diagram

16mm Encoder
output wave diagram

