

Features

- Push switch option
- High detent torque
- High rotational life and switch life
- Metal bushing/shaft
- RoHS compliant*



PEC11H Series - 11 mm Encoder w/High Detent Force

| Electrical Characteristics | |
|--|---|
| Closed Circuit Resistance Contact Rating | 2-bit quadrature code 100 milliohms maximum 10 mA @ 5 VDC 100 megohms @ 250 VDC 300 VAC minimum Continuous 3.0 ms maximum** 60 maximum** |
| Environmental Characteristics | |
| Storage Temperature Range Humidity Vibration Shock Rotational Life IP Rating | -20 °C to +70 °C (-4 °F to +158 °F) -35 °C to +85 °C (-31 °F to +185 °F) MIL-STD-202, Method 103B, Condition A 10~55~10 Hz / 1 min. / Amplitude 1.5 mm .100 G .100,000 cycles minimum .IP 40 |
| Mechanical Characteristics | |
| Torque Detent Mounting Shaft Strength (Push-Pull) Weight Terminals Soldering Condition Wave Soldering. | |
| | One flat washer and one mounting nut supplied with each encoder |
| Switch Characteristics | |
| Switch Life | Contact Push ON Momentary SPST |

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WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Users should verify actual device performance in their specific applications.

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^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

^{**}Devices are tested using standard noise reduction filters. For optimum performance, designers should use noise reduction filters in their circuits. Specifications are subject to change without notice.

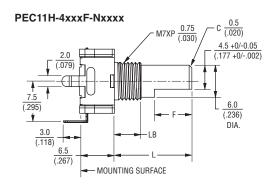
Applications

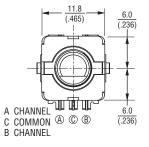
Level control, tuning and timer settings in:

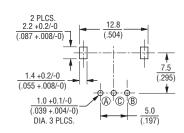
- Audio-visual equipment
- Consumer electric appliances
- **Environmental controls**
- Musical instrumentation
- Communications equipment

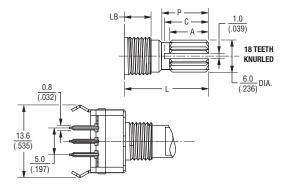
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Product Dimensions





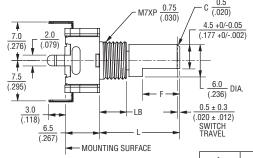


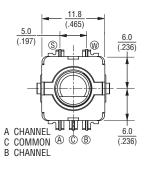


| L | LB | F | P | Α | С |
|--------------|----------------------|----------------------|----------------|---------------|----------------------|
| 15 (.591) | <u>5.0</u> (.197) | <u>5.0</u> (.197) | 7.0 (.276) | 6.0 (.236) | <u>6.0</u> (.236) |
| 20 (.787) | 7.0 (.276) | 10.0 (.394) | 7.0 (.276) | 6.0 (.236) | 7.0 (.276) |
| 25 (.984) | 7.0 (.276) | 12.0 (.472) | 12.0 (.472) | 10.0 (.394) | 11.0 (.433) |

| Dim. | Tol. |
|----------------|---------|
| <10.0 | ±0.3 |
| (<.394) | (±.012) |
| 10.0 ~ 100 | ±0.5 |
| (.394 ~ 3.937) | (±.020) |

PEC11H-4xxxF-Sxxxx





| 2 PLCS. 2.2 +0.2/-0 (.087 +.008/-0) | | 5.0 (.197) 7.0 (.276) 7.5 |
|--|---|---------------------------------------|
| $\frac{1.4 + 0.2 / -0}{(.055 + .008 / -0)}$ | | (.295) |
| 1.0 +0.1/-0 (.039 +.004/-0) DIA. 5 PLCS. | A C B 5.0 (.197 | _ |

| - WOONTING SONTAGE | |
|--------------------|-----|
| 0.8 | - 1 |
| (.032) | (.5 |
| 13.6 (.535) | (.7 |
| 5.0 (.197) | (.9 |

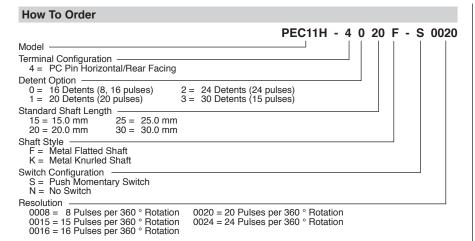
| L | LB | F |
|--------------|------------|-------------|
| 15 | <u>5.0</u> | <u>5.0</u> |
| (.591) | (.197) | (.197) |
| 20 (.787) | 7.0 (.276) | 10.0 (.394) |
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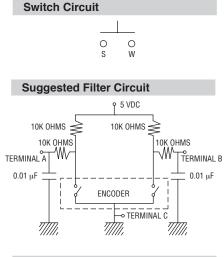
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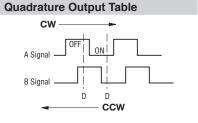
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Hardware $\begin{array}{c} \text{M7 x} & \frac{0.75}{(.030)} \\ \hline \\ \frac{10.0 \pm 0.5}{(.394 \pm .020)} \\ \hline \end{array}$





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