

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
Output
Environmental Characteristics
Operating Temperature Range -20 °C to +70 °C (-4 °F to +158 °F) Storage Temperature Range -35 °C to +85 °C (-31 °F to +185 °F) Humidity MIL-STD-202, Method 103B, Condition A Vibration 10~55~10 Hz / 1 min. / Amplitude 1.5 mm Shock 100 G Rotational Life 100,000 cycles minimum IP Rating IP 40 Moisture Sensitivity Level 1
Mechanical Characteristics
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
HardwareOne flat washer and one mounting nut supplied with each encoder
Switch Characteristics
Switch Type

BOURNS®

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Additional Information

Click these links for more information:











TECHNICAL INVENTORY SAMPLES LIBRARY



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

*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. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf



CAUTION

Do not store product in high temperature and humidity, direct sunlight and/or places where corrosive gases may be generated. Please use product within 6 months from the date of delivery and promptly after unpacking.

Applications

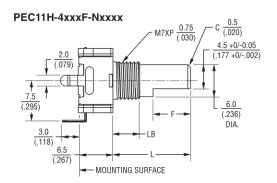
Level control, tuning and timer settings in:

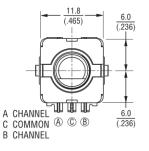
- Audio-visual equipment
- Consumer electric appliances
- Environmental controls
- Musical instrumentation
- Communications equipment

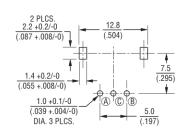
PEC11H Series - 11 mm Encoder w/High Detent Force

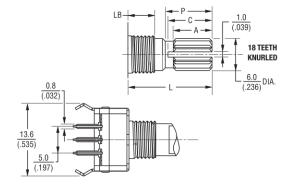
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Product Dimensions







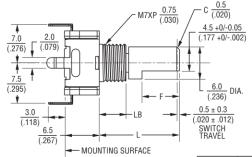


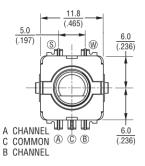
L	LB	F	Р	Α	С
15	<u>5.0</u>	<u>5.0</u>	7.0	6.0	6.0
(.591)	(.197)	(.197)	(.276)	(.236)	(.236)
20	7.0	10.0	7.0	6.0	7.0
(.787)	(.276)	(.394)	(.276)	(.236)	(.276)
25	7.0	12.0	12.0	10.0	11.0
(.984)	(.276)	(.472)	(.472)	(.394)	(.433)

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

DIMENSIONS: $\frac{MM}{(INCHES)}$

PEC11H-4xxxF-Sxxxx





2 PLCS. 2.2 +0.2/-0 (.087 +.008/-0)	5.0 197) 7.0 276) † 7.5 295)
(.039 +.004/-0) DIA. 5 PLCS.	

5.0 (.197)	13.6 (.535) 5.0 (.197)		
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L	LB	F
15	<u>5.0</u>	7.0
(.591)	(.197)	(.276)
20	7.0	10.0
(.787)	(.276)	(.394)
25	7.0	12.0
(.984)	(.276)	(.472)

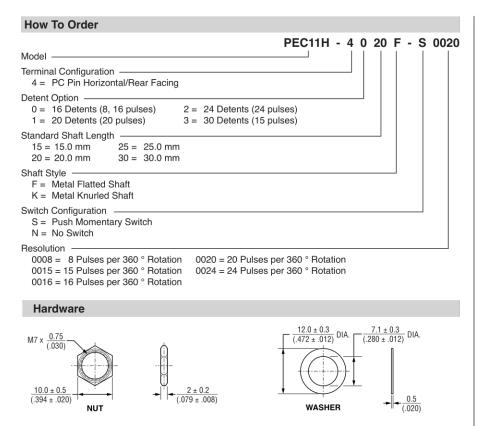
Dim.	Tol.
<10.0	±0.3
(<.394)	(±.012)
10.0 ~ 100	±0.5
(.394 ~ 3.937)	(±.020)

DIMENSIONS: $\frac{MM}{(INCHES)}$

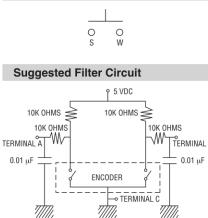
PEC11H Series - 11 mm Encoder w/High Detent Force

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Switch Circuit



DIMENSIONS:



A Signal OFF ON B Signal D D

CCW

Quadrature Output Table

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