

0020 = 20 Pulses per 360 ° Rotation

## **Features**

- Push switch option
- Compact, low profile
- High rotational life and switch life
- Metal bushing/shaft
- RoHS compliant\*



# PEC11L Series - 11 mm Low Profile Encoder

Electrical Characteristics	
	2-bit quadrature code
Contact Rating	
Dielectric Withstanding Voltage	· ·
Electrical Travel	300 VAC minimum
<b>Environmental Characteristics</b>	
	-25 °C to +80 °C (-13 °F to +176 °F)
0 1	40 °C to +85 °C (-40 °F to +185 °F) MIL-STD-202, Method 103B, Condition A
Vibration	
Rotational Life	
Mechanical Characteristics	
	360 ° continuous
Torque Detent	20-200 gf-cm (0.27 to 2.8 oz-in)
Running	
· ·	70 N-cm (6.2 lb-in) maximum 2.04 kgf (4.5 lbs) minimum
, ,	
· ·	
Soldering Condition	Printed circuit board terminals $^{\circ}$ r with no-clean flux: 260 $^{\circ}$ C ±5 $^{\circ}$ C max. for 3-5 seconds
Hand Soldering	Not recommended
HardwareOne flat washe	er and one mounting nut supplied with each encoder
Switch Characteristics	
	10 mA at 5 V DC
How To Order	
	PEC11L - 4 0 20 F - S 0015
Model —	
Terminal Configuration ————————————————————————————————————	
Detent Option —	
0 = No Detents (15, 20 pulses) 1 = 20 Detents (20 pulses) 2 = 30 Detents (15 pulses)	
Standard Shaft Length — 25 = 25.0 rm 25 = 25.0 rm	nm
Shaft Style — K = Metal Knurled S	
Switch Configuration S = Push Momentary Switch N = No Switch	
Resolution —	
0015 = 15 Pulses per 360 ° Rotation	

#### **Additional Information**

Click these links for more information:





PRODUCT TECHNICAL INVENTORY SAMPLES







CONTACT

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#### 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



# CAUTION

www.bourns.com/docs/legal/disclaimer.pdf.

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**

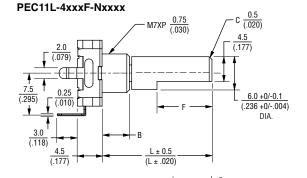
Level control, tuning and timer settings in:

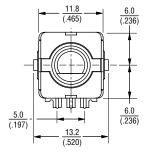
- Audio-visual equipment
- Consumer electric appliances
- Environmental controls
- Musical instrumentation
- Communications equipment

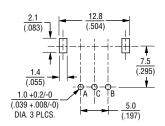
# PEC11L Series - 11 mm Low Profile Encoder

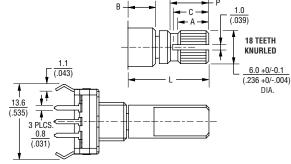
# **BOURNS**®

### **Product Dimensions**



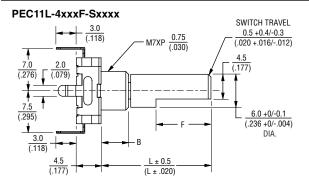


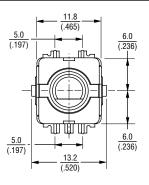


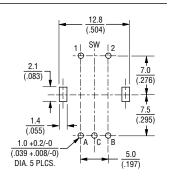


L	В	F	Р	Α	С
15	<u>5.0</u>	7.0	7.0	6.0	7.0
(.591)	(.197)	(.276)	(.276)	(.236)	(.276)
20	7.0	10.0	7.0	6.0	7.0
(.787)	(.276)	(.394)	(.276)	(.236)	(.276)
25	7.0	12.0	12.0	10.0	11.0
(.984)	(.276)	(.472)	(.472)	(.394)	(.433)

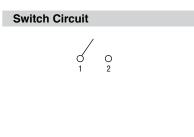
Dim.	Tol.
<10.0	±0.3
(<.394)	(±.012)
10.0 ~ 100	±0.5
(.394 ~ 3.937)	(±.020)

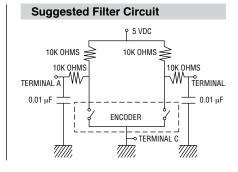






# A Signal B Signal CCW CCW





## REV. 07/21

Specifications are subject to change without notice.

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