

Features

- Compact design, long life and high reliability
- Low cost compared to optical type encoders
- Available in a wide variety of configurations to meet many user requirements



PEC16 - 16 mm Incremental Encoder

Electrical Characteristics	
Output Closed Circuit Resistance Contact Rating	
Environmental Characteristics	
Operating Temperature Range Storage Temperature Range Humidity. Vibration Shock Rotational Life Switch Life IP Rating Moisture Sensitivity Level ESD Classification (HBM).	40 °C to +85 °C (-40 °F to +185 °F)
Mechanical Characteristics	
Running	
Hardware One flat washer a	and one mounting nut supplied with each encoder
Switch Characteristics	
Switch Type	

PEC16 - 4 0 20 F - S 0012 Model -Terminal Configuration 2 = PC Pin Vertical/Down Facing 4 = PC Horizontal/Rear Facing Detent Option 0 = No Detents 1 = 12 Detents 2 = 24 Detents Standard Shaft Length -15 = 15 mm $25 = 25.0 \text{ mm}^{1}$ 20 = 20.0 mm $30 = 30.0 \text{ mm}^1$ Shaft Style F = Insulated Flatted Shaft Switch Configuration S = Push Momentary Switch N = No Switch

How To Order

0012 = 12 Pulses per 360 ° Rotation

0024 = 24 Pulses per 360 ° Rotation

Additional Information

Click these links for more information:





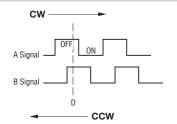






TECHNICAL INVENTORY SAMPLES LIBRARY

Quadrature Output Table



Switch Circuit





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.

¹ Not available with switch.

Applications

Level control, tuning and timer settings in:

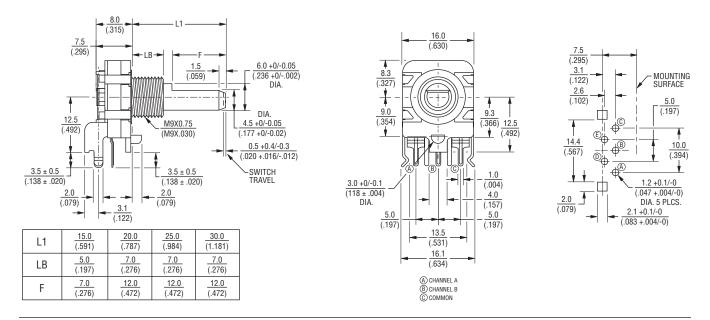
- Audio-visual equipment
- Consumer electric appliances
- Radios
- Musical instrumentation
- Communications equipment

PEC16 - 16 mm Incremental Encoder

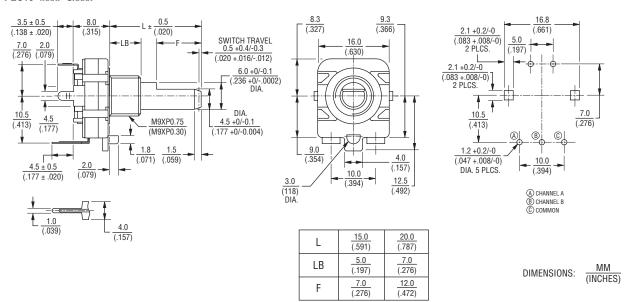
BOURNS®

Product Dimensions

PEC16-2xxxF-Sxxxx



PEC16-4xxxF-Sxxxx

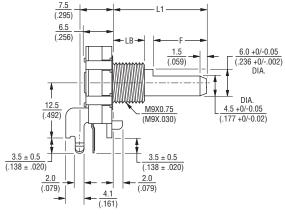


PEC16 - 16 mm Incremental Encoder

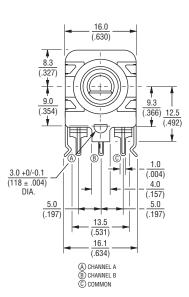
BOURNS

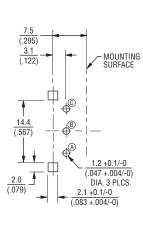
Product Dimensions

PEC16-2xxxF-Nxxxx

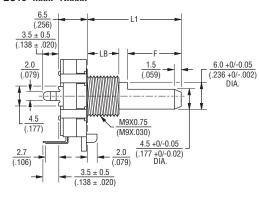


L1	15.0	20.0	25.0	30.0
	(.591)	(.787)	(.984)	(1.181)
LB	<u>5.0</u>	7.0	7.0	7.0
	(.197)	(.276)	(.276)	(.276)
F	7.0	12.0	12.0	12.0
	(.276)	(.472)	(.472)	(.472)



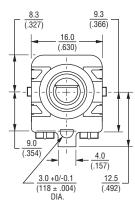


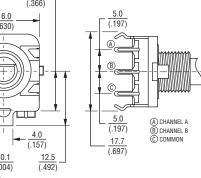
PEC16-4xxxF-Nxxxx

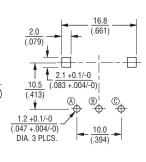


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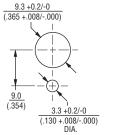
DIMENSIONS: $\frac{MM}{(INCHES)}$

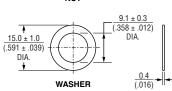






Panel Hole Detail
DIA.
9.3 +0.2/-0





REV. 03/13/23

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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