

# IPHJ Series

## IP66/67 Incremental Hollow Shaft Encoder

Maximum Increments ..... 5000

Hole Diameter Range ..... 10 to 20mm

### MECHANICAL SPECIFICATIONS

RPM ..... Max. 3000  
 Torque ..... > 4.0Ncm  
 Loading ... Designed to support its own weight  
 Weight ..... Aluminium 600g, Stainless 1200g  
 Temperature ..... -20°C to +60°C

### ELECTRICAL

Current consumption ..... Max. 60mA  
 Signal frequency ..... 200kHz  
 Switching load - Short circuit protected ..... 40mA

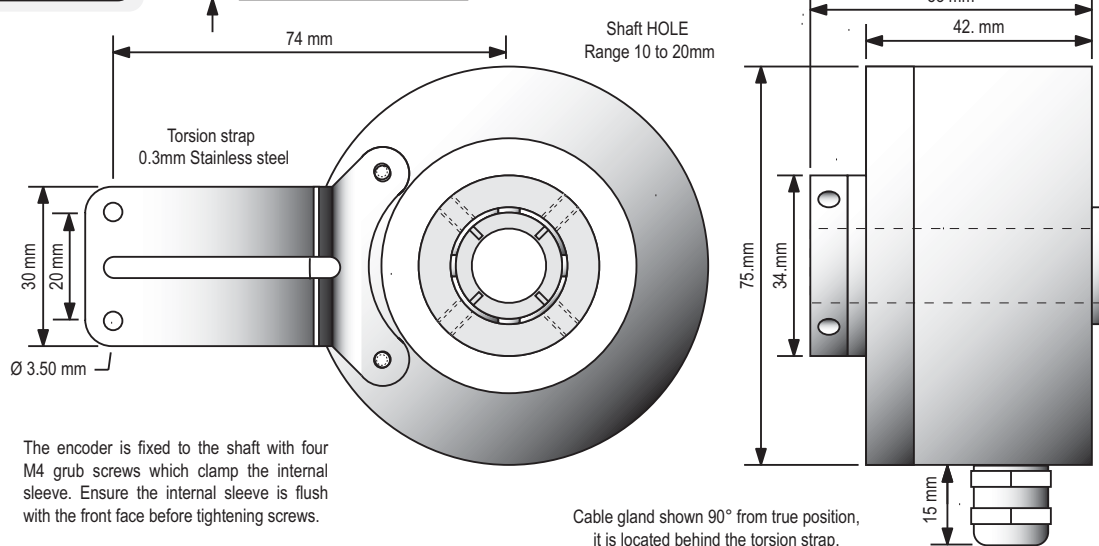
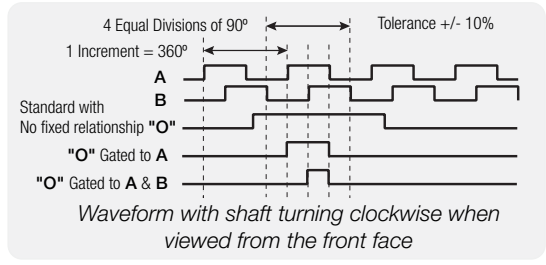
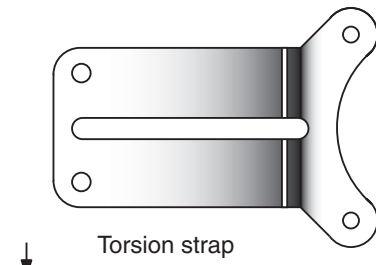
### FEATURES

The IPHJ industrial encoders are designed for mounting directly onto the drive shaft of motors and other rotary shafts. The hollow shaft system eliminates the necessity for most additional fixing hardware, such as flexible couplings, drive belts and mounting plates or brackets.

To mount a hollow shaft encoder simply slide the encoder onto the drive shaft, tighten the set screws and attach a simple torsion arm to prevent the encoder body from rotating.

**NOTE:** To ensure the correct heat transfer, make sure the shaft penetrates the encoder by no less than 35mm

Function	Plug Pin	Wire
0 Volts	1	Black
+ Volts	2	Red
Output Signals	3	White
A	4	Blue
B	5	Yellow
O	6	Green
A	7	Violet
B	8	Brown



The encoder is fixed to the shaft with four M4 grub screws which clamp the internal sleeve. Ensure the internal sleeve is flush with the front face before tightening screws.

### Part Number Selection Guide

Series				Mechanical Options				Electrical Options				Increment Range			
1	2	3	4	5	6	7	8	9	10	11	12	00001 to 05000			
I	P	H	J				S								
<b>Stainless Steel Shaft Hole</b> Hole ..... 10 to 20mm Standard 10, 12, 14, 16, 18, 20								<b>Voltage &amp; Output Type</b> 5 Volt Line Driver ..... 1 8-30 Volt - Push Pull ..... M							
<b>Housing Material</b> IP66/67 Aluminium ..... J IP66/67 Stainless Steel .. T				<b>Wiring Entry</b> Side or Radial ..... S				<b>Output Options</b> Standard NO gating..... A							
<b>Wiring Method</b> Cable 2 Metres ..... 2 Cable 5 Metres ..... 3 Cable - Custom Length .. 4				<b>Output Channels</b> A, B, O ..... 3 A, B, O, A̅, B̅, O̅ ..... 7											

made by IED in the UK  
 Sold and serviced in Australia by **PCA**