

IPSL Series

Incremental Shaft Encoder IP66/67

Maximum Increments 30,000

Shaft Diameter Range 12mm

MECHANICAL SPECIFICATIONS

RPM Max. 3000
Torque > 3Ncm
Loading Axial 10N, Radial 10N
Weight Aluminium 1000g Stainless 2700g
Temperature -20°C to +85°C

ELECTRICAL

Current consumption Max. 60mA
Signal frequency 200kHz
Switching load 40mA

FEATURES

The IPSL heavy duty industrial encoder is designed for mounting in harsh environments. This grade of encoder has been installed in numerous aggressive locations, from the decks of sea going ships to dairy machinery that receives daily washings of pressurised water and detergents.

These encoders are machined from either aluminium or stainless steel, both with a range of double lip shaft seals filled with grease to suit most environments.

Shaft Sealing Options

Nitrile = General Industrial Use

Food = Approved in USA & UK use with food

PTFE = High Speed Low Torque

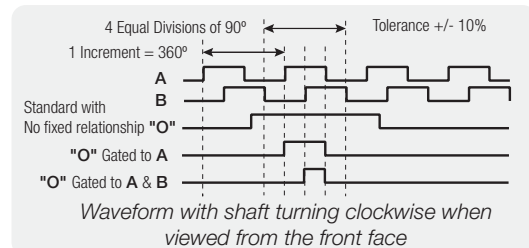
Viton Peroxide = Chemical & Acid resistant

EPDM = Thurban material for outdoor use - resistant to UV and ozone damage

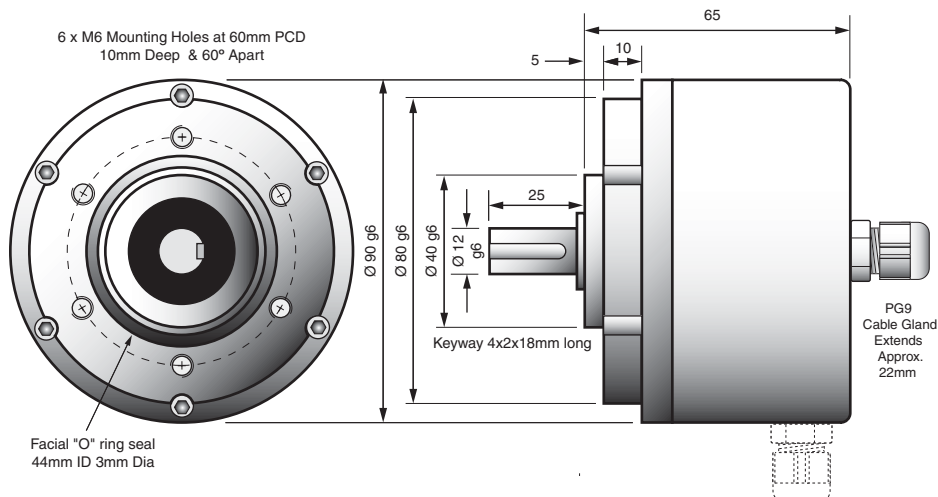
Black Cable (Standard)	
Function	Wire
0 Volts	Blue
+ Volts	Red
A	White
B	Pink
O	Violet
A/B	Brown
B/O	Black
O/A	Yellow

Red Cable (old version)	
Function	Wire
0 Volts	Black
+ Volts	Red
A	White
B	Blue
O	Yellow
A/B	Green
B/O	Violet
O/A	Brown

NOTE: Refer to
COUPLING data sheet for
our range of Stainless
Steel zero backlash shaft
couplings



WARNING: reverse polarity power connection will damage the encoder



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 30,000			
I	P	S	L	1	2							/			
Stainless Steel Shaft Shaft 12mm								Voltage & Output Type 5 Volt - Line driver 1 8 - 30 Volt Push Pull M							
Housing Material IP66/67 Aluminium + Nitrile Seal J Aluminium + PTFE Seal K Aluminium + Food Seal L Aluminium + Viton Seal M 316 Stainless + Nitrile Seal S 316 Stainless + PTFE Seal T 316 Stainless + Food Seal U 316 Stainless + Viton Seal V 316 Stainless + EPDM Seal 6								Output Options Standard NO gating..... A							
Wiring Entry Rear or Axial R Side or Radial S								Output Channels A, B, O 3 A, B, O, A̅, B̅, O̅ 7							
Wiring Method Cable 2 Metres 2 Cable 5 Metres 3 Cable - Custom Length ... 4								Manufactured in UK by IED Sold and serviced in Australia by PCA							