

INSL Series

Incremental Shaft Encoder

Maximum Increments 25,000

Shaft Diameter 10, 11 or 12mm

MECHANICAL SPECIFICATIONS

Maximum RPM 6000
 Torque >0.1Nm
 Loading Axial 60N, Radial 50N
 Weight Aluminium 1.2kg Stainless 2kg
 Temperature -20°C to +70°C

ELECTRICAL

Current Consumption Nominal 40mA
 Maximum output signal frequency 300kHz

NOTE: Short circuit protection on all wires

FEATURES

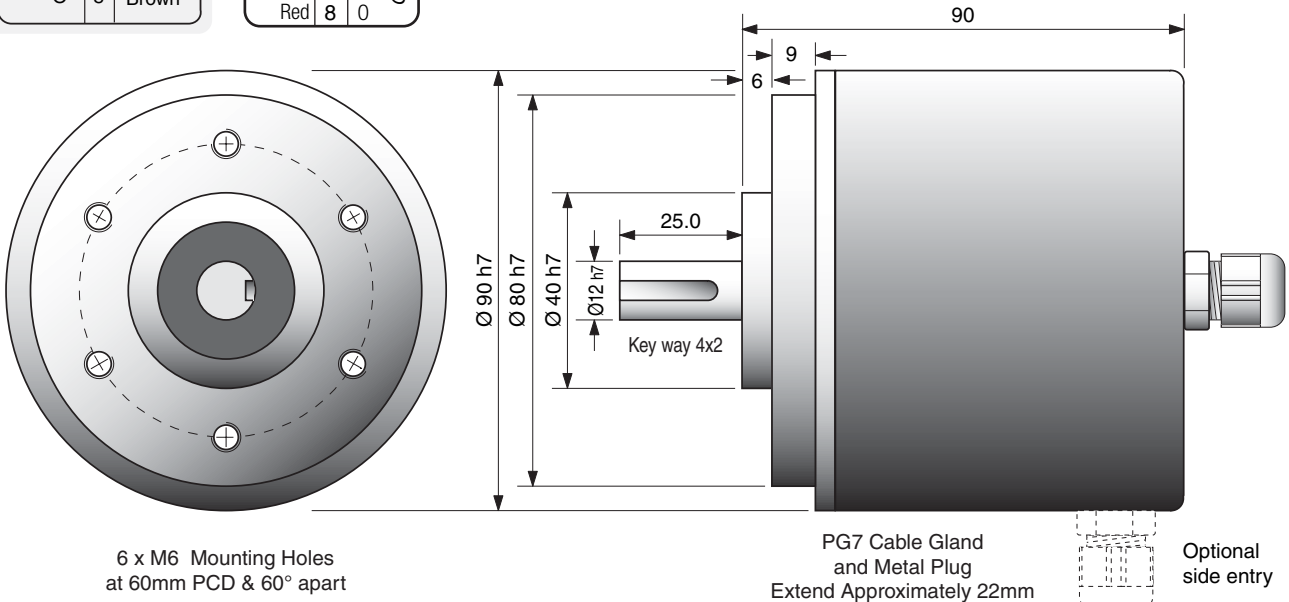
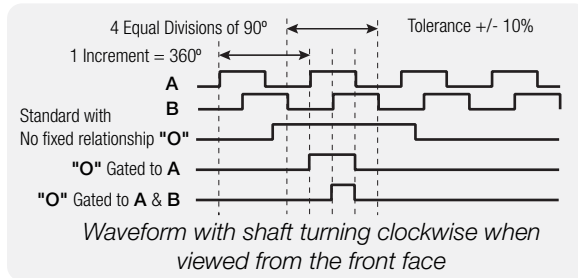
The INSL encoders are suitable for most industrial applications. This series provides our highest increment option, 10,000 true A B phase signals. When used with appropriate circuitry, 10,000 can deliver 40,000 processed signals per revolution.

A range of mounting accessories are also available, refer to the Accessories and Couplings data sheets for full details. **NOTE:** A flexible coupling must always be used to attach the encoder to the drive shaft.

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

W+S		Plug Pin	Wire
Wire			
White	1		0 Volts
Brown	2		+ Volts
Green	3		A
Yellow	4		B
Gray	5		O
Pink	6		A
Blue	7		B
Red	8		O

Alternate German Wiring for some encoders not made in Australia



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 25,000				
I	N	S	L	-	-	B	-	-	-	A	-	/	-	-	-	-
Stainless Shaft Shaft 10, 11 or 12mm				Housing Material IP65 Aluminium / Steel B				Wiring Entry Rear or Axial R Side or Radial S				Wiring Method Cable 2 Metres 2 Cable 5 Metres 3 Cable - Custom Length .. 4 Plug 4 Pin Plastic A Plug 12 Pin Metal L				
												Voltage & Output Type 5 Volt Line Driver 1 8 to 30 - Push Pull M				
												Output Options Standard NO gating..... A				
												Output Channels A, B (4 Pin Plug only) 2 A, B, O 3 A, B, O, A-bar, B-bar, O-bar 7				

NOTE:
 10,000
 4 Character
 code = 010K

A product of the world wide **GESgroup**
 made by **W+S Germany**
 ASSEMBLED and serviced in Australia by **PCA**