

INHG Series

Incremental Hollow Shaft Encoder

Maximum Increments 10,000

Hole Diameter Range 6, 10 or 12mm

MECHANICAL SPECIFICATIONS

Maximum RPM 6000
 Torque >0.4Nm
 Loading Axial 20N, Radial 15N
 Weight 250g
 Temperature -20°C to +70°C

FEATURES

The INHG 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.

ELECTRICAL

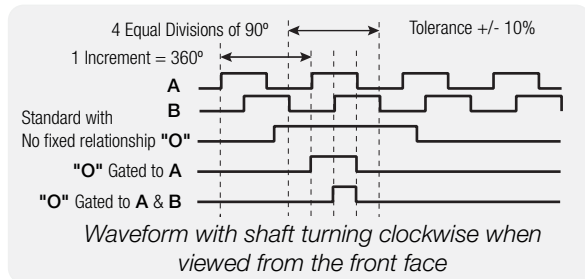
Current Consumption 40mA
 Maximum output signal frequency 200kHz

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.

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

W+S		
Wire	Plug Pin	Output Signals
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



2 Mounting Holes
 Dia 2.5mm H6
 53mm PCD
 180°

PG7 Cable Gland
 or 9 Pin D Type Plug
 Extend Approximately 20mm

Shaft Bore Range 6 to 12mm H7
 2 Shaft Fixing Set Screws
 M4 x 6 at 120°

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 10000
I N H G	— [] [] H S	— [] [] A [] /	[] [] [] [] []
Stainless Steel Shaft Hole Hole 6, 10 or 12mm	Housing Material IP65 Aluminium H	Wiring Entry Side or Radial S	Voltage & Output Type 5 Volt Line Driver 1 8 to 30 - Push Pull M
Wiring Method Cable 2 Metres 2 Cable 5 Metres 3 Cable - Custom Length .. 4		Output Options Standard NO gating..... A	Output Channels A, B, O 3 A, B, O, A, B, O 7

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