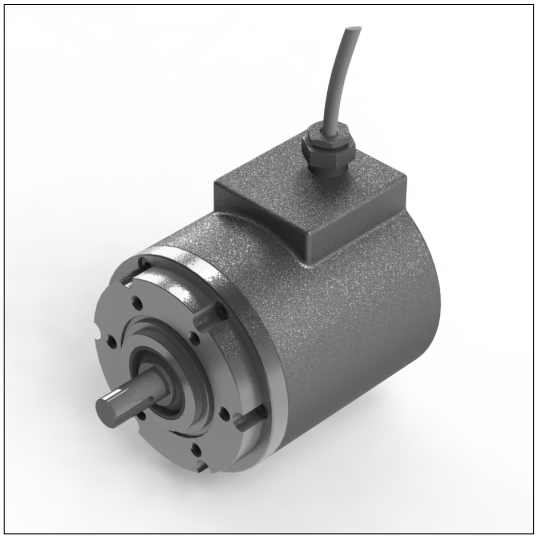
hohner
Elektrotechnik Werne

Series IP3000

Series IP3000 incremental heavy duty shaft encoder up to 12 mm



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| Shaft Size | | Resolution - ppr
| 12 x 25 mm | Exit
| | A = Axial
Housing Type | R = Radial
C = Aluminum
D = Stainless Steel

(both IP66/X7)

Connection
1 = 2m cable
2 = 5m cable
3 = 10 m cable
H = 9512 12 pin plug & socket

5...24 Volt Extended Line Driver is standard, optional Current Sink Open Collector is available

IECEx

Zone 0, Class 1 Div 1

Technical Data

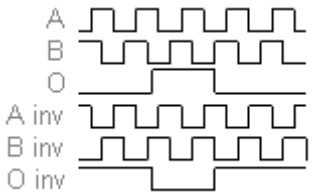
Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
On request:	-20 ... + 100 degrees C
Max frequency:	150 kHz
Current consumption:	50 mA (max.)
Power supply:	5 - 24V
Weight:	42 oz (1.2 kg) Al 125 oz (3.5 kg) SS
Protection:	IP 66/X7
Housing:	Aluminum or SS
Shaft:	Stainless Steel
Bearings:	2 x 6001 - (Z) (RS)
Torque:	0.7 oz/in (5 N-cm)
Humidity:	Up to 98% permissible
Speed:	6000 RPM max.
Shock:	10g (6msec)
Vibration:	5g (500 Hz)
Shaft load:	Radial / Axial 10 N
Line driver output max:	50 mA per channel
Max. ppr:	5000
Inertia:	30 gm-cm^2

Connection Options

	Cable
PS GND	Black
PS 5 ... 24 V	Red
Output A	White
Output B	Blue
Output O	Yellow
Output A inv	Green
Output B inv	Violet
Output O inv	Brown

Output

Diagram is shown with clockwise shaft rotation viewed from
shaft end



Incremental Ex Encoder

Certifications

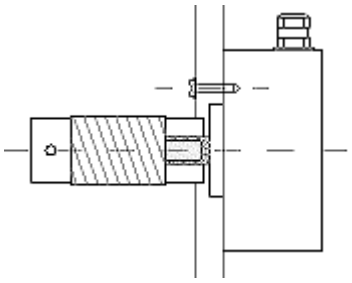
To use the encoder in a hazardous area, ***a safety barrier or galvanic isolator has to be used***. Our six channel barrier and isolator work with our encoders. Isolator Data Sheet

IP 66/X7

ATEX [Certificate]
IECEx [Certificate]
CSA [Certificate]
GOST-CU [Certificate]

Mounting Instructions

Hook up the encoder with the connections as described. Make sure power supply meets specifications. Attach encoder to mounting bracket as shown. Attach shaft using a flexible coupling.



Dimensions