

## Series IP3000 incremental heavy duty shaft encoder up to 12 mm



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<u>Shaft Size</u>		<u>Resolution - ppr</u>
12 x 25 mm		<u>Exit</u>
		A = Axial
<u>Housing Type</u>		R = Radial
D = Stainless Steel		
		<u>Connection</u>
		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



Zone 0, Class 1 Div 1

### Technical Data

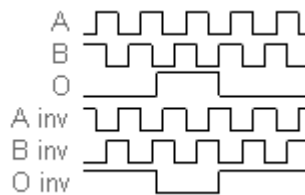
Operating temp:	- 20 ...+ 60 degrees C
	- 4 ...+ 140 degrees F
On request:	-20 ... + 100 degrees C
Max frequency:	150 kHz
Current consumption:	50 mA (max.)
Power supply:	5 - 24V
Weight:	125 oz (3.5 kg) SS
Protection:	IP 66/X7
Housing:	Stainless Steel
Shaft:	Stainless Steel
Bearings:	2 x 6001 - (Z) (RS)
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 <sup>2</sup>

### 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



## 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.

IP 66/X7

ATEX

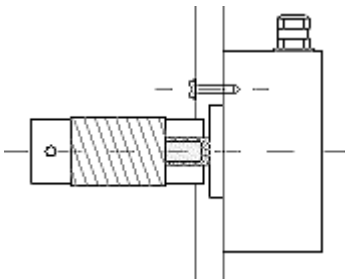
IECEX

CSA

GOST-CU

## 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

