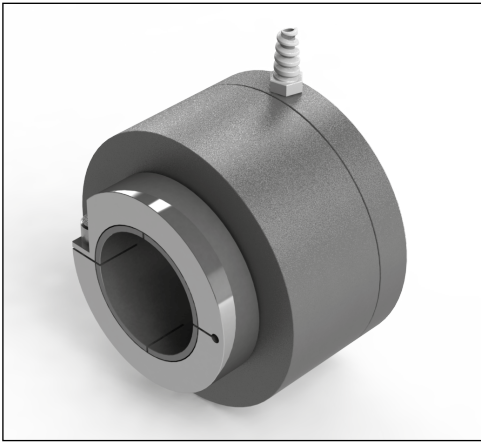


## Series NAMFPX large incremental encoder up to 50 mm for drawworks



N A M F P X X X L 8 G R / X X X X

Shaft Size | Output | Resolution - ppr  
*Standard Bore* | 8 = ABO and Comps  
 40 = 40 mm |  
 50 = 50 mm |  
*Threaded shaft male/female* |  
 L1 = 1.5" NPT |

Electronic Output  
 L = 5...24 V Extended  
 Line Driver



**Zone 0, Class 1 Div 1**

### Technical Data

Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
Max frequency:	150 kHz
Weight:	53 oz (1.5 kg)
Protection:	IP 66M, NEMA 4
Housing:	Aluminum
Shaft:	Stainless Steel
Bearings:	2 x 61811 ZZ
Torque:	0.8 oz/in (6 N-cm)
Shaft load:	Supports its own weight
Humidity:	Up to 98% permissible
Speed:	3000 RPM
Max. ppr	5000
Shock:	10g (6 msec)
Vibration:	5g (500 Hz)

### Connection Options

	<b>Cable 2 meters</b>	<b>Connector</b>
PS GND	Black	Any type of connector with more than 4 pins and an IP rating of 66 can be used, pin allocations will be determined by end customer. More than one connector is possible as well.
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 for Channels

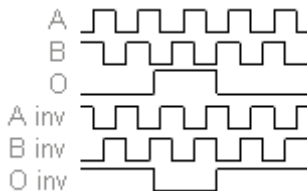


Diagram is shown clockwise

## 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 66M

ATEX

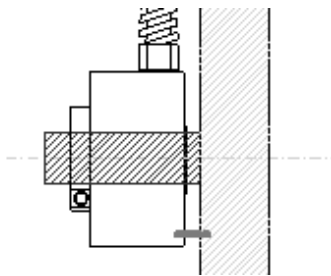
IECEX

CSA

GOST-CU

## Mounting Instructions

Slide encoder onto shaft. To keep encoder from rotating: have a pin to prevent rotation in one of the mounting holes, or a bracket bolted onto the mounting holes, or simply tie wrap the cable. Whatever is done, ensure there is a bit of play between encoder and mounting arrangement to prevent bearing damage. Hook up the encoder with the connections as described. Make sure power supply meets specifications.



## Dimensions

