

Series NAMFPX incremental encoder for drawworks



NAMFPX X X L 8 G R / X X X X

<u>Shaft Size</u>		<u>Output</u>		<u>Resolution - ppr</u>
14 = 14 mm		8 = ABO and Comps		
16 = 16 mm				
20 = 20 mm				
25 = 25 mm				
30 = 30 mm				
AA = 1"				

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



IECEX



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 6807 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

PS GND	Cable 2 meters
PS 5...24 V	Black
Output A	Red
Output B	White
Output O	Blue
Output A inv	Yellow
Output B inv	Green
Output O inv	Violet
	Brown

Connector

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.

Output for Channels

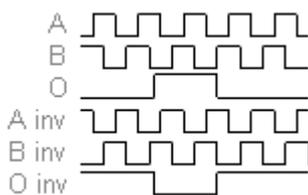


Diagram is shown clockwise

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

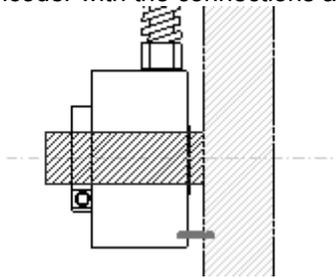
IECEX

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

