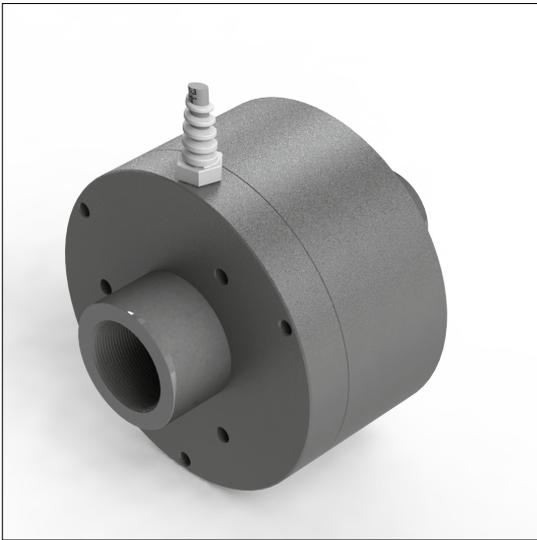


Series NAMFPX incremental encoder with threaded shafts for drawworks



NAMFPX	XXL	8GR/XXXXX
	<u>Shaft Size</u>	<u>Output</u> <u>Resolution - ppr</u>
	H1 = 1" UNS	8 = ABO and Comps.
	H2 = 3/4" BSP	
	H3 = 5/8" BSP	
	H4 = 1 - 1/4" x 14 tpi (16mm bore)	
	H5 = 5/8" x 18 UNF	<u>Electronic Output</u>
	H6 = 1 1/4" x 14 tpi (25mm bore)	L = 5...24V Extended Line Driver
	H7 = 3/4" UNC	



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	Connector
Output A	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.
Output B	Red	
Output O	White	
Output A inv	Blue	
Output B inv	Yellow	
Output O inv	Green	
	Violet	
	Brown	

Output for Channels

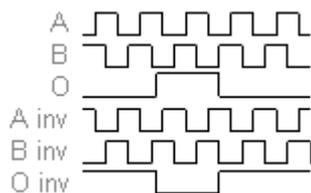


Diagram is shown clockwise

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

Thread the encoder shaft onto the matching threaded shaft and tighten both ends. Add a bit of copper slip for it not to seize up. 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

