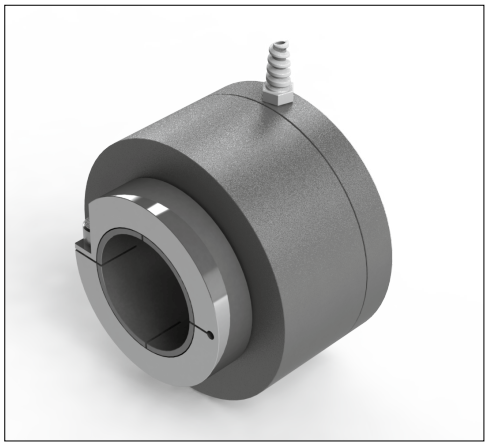
hohner
Elektrotechnik Werne

Series NAMPFX

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



N A M F P X X X L 8 G R / 0 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

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 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

	Cable 2 meters	Connector
PS GND	Black	Any type of connector with more than 4 pins and an IP rating of 66 can be used, pin allocations will 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

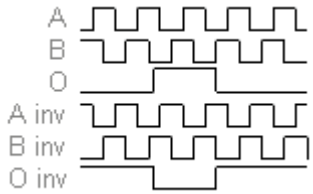


Diagram is shown clockwise

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.

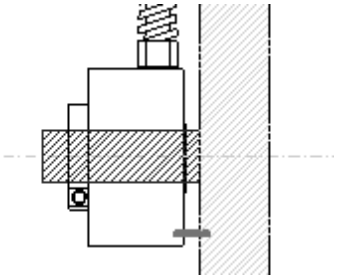
IP 66M

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 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