

Series N20S incremental 2.0" blind hollow shaft encoder



Zone 0, Class 1 Div 1

Round Flange



N 2 0 S E X X L 8 X X / X X X X

<u>Shaft Size</u>			<u>Resolution - ppr</u>
10 = 10 mm			
12 = 12 mm			<u>Exit</u>
A5 = 1/2"	<u>Connection</u>	R = Radial	
	6 = MS6	A = Axial	
	7 = MS7		
	0 = MS10		
	2 = 2m cable		

5...24 Volt Extended Line Driver is standard

Square Flange



N 2 0 S D X X L 8 X X / X X X X

<u>Shaft Size</u>			<u>Resolution - ppr</u>
10 = 10 mm			
12 = 12 mm			<u>Exit</u>
A5 = 1/2"	<u>Connection</u>	R = Radial	
	6 = MS6	A = Axial	
	7 = MS7		
	0 = MS10		
	2 = 2m cable		

5...24 Volt Extended Line Driver is standard

Technical Data

Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
Max frequency:	100 kHz
Weight:	53 oz (1.0 kg)
Protection:	IP 65 (66 optional)
Housing:	Aluminum
Shaft:	Stainless Steel
Bearings:	2 x 6803
Torque:	0.8 oz/in (6 N-cm)
Shaft load:	5N (500g)
Humidity:	Up to 98% permissible
Speed:	4000 rpm
Max. ppr	1024

Connection Options

	Cable 2 meters	Connector
PS GND	Black	1
PS 5...24V	Blue	2
Output A	Brown	3
Output B	Beige	4
Output O	Pink	5
Output A inv	Yellow	6 (not MS6/7)
Output B inv	Green	7 (not MS6/7)
Output O inv	Violet	8 (not MS6/7)

Output for Channels

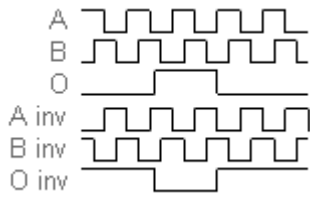


Diagram is shown clockwise

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 65

ATEX

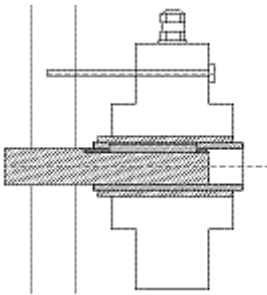
IECEX

CSA

GOST-CU

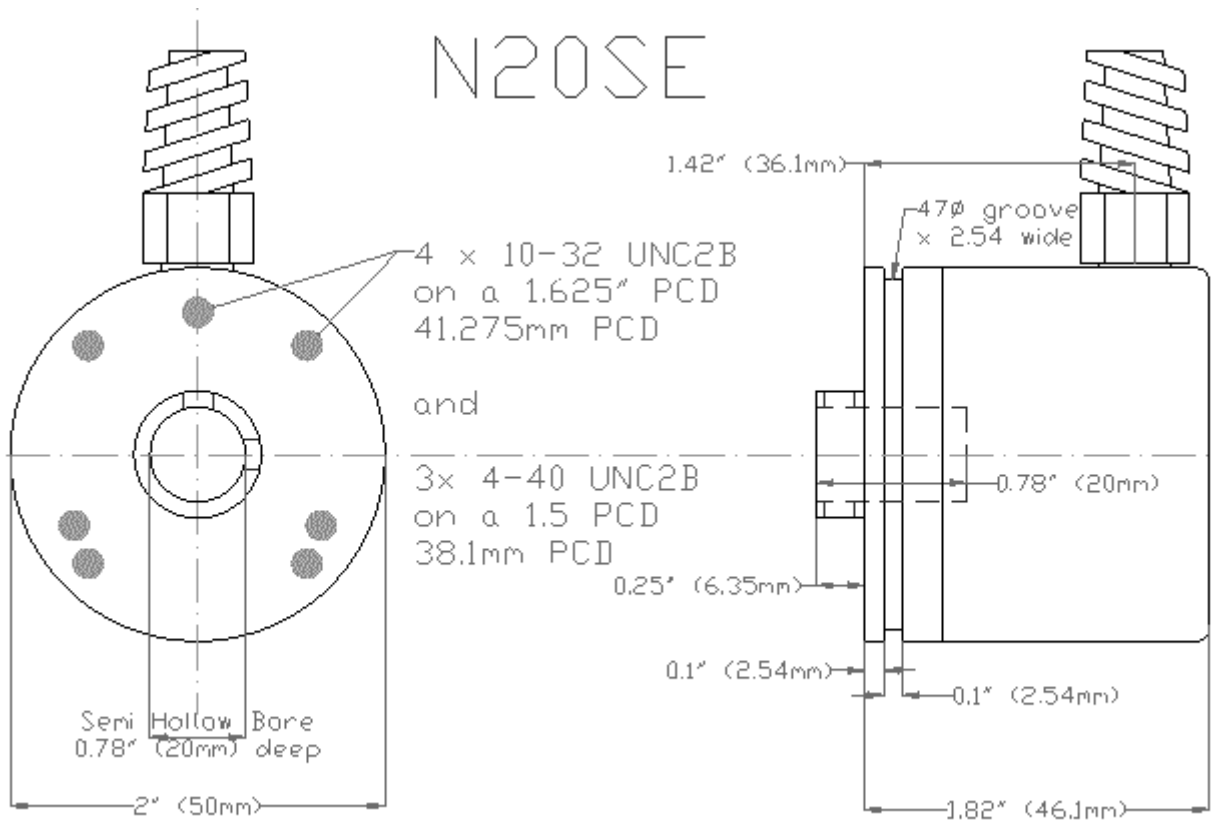
Mounting Instructions

Clamp encoder to shaft and use torque arm to prevent rotation. Hook up the encoder with the connection as described. Make sure power supply meets specifications



Dimensions

N20SE



N20SD

