

Series DXE stainless steel shaft encoder up to 12 mm



DXE	4	3	X	9/O	X	X	C	/	X	X	X	X
	<u>Connection</u>								<u>Resolution -</u>			
									<u>ppr</u>			
	A = 10 m cable											
	B = 20 m cable						<u>Protection</u>					
	E = 50 m cable						X = IP 66/67					
							<u>Exit</u>					
							A = Axial					
							R = Radial					



[click for new style part number details](#)

5 - 24 Volt Extended Line Driver is Standard PS
ABO and ABO inv is Standard Output

Technical Data

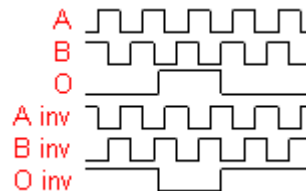
Operating temp:	- 20 ...+ 60 degrees C
	- 4 ...+ 140 degrees F
On request:	-40 ... + 60 degrees C
Max frequency:	100 kHz
Current consumption:	40 mA (max.)
Power supply:	5 - 24V
Weight:	6 Kg
Protection:	IP 66 / 67
Housing:	Stainless Steel
Shaft:	Stainless Steel
Bearings:	2 x 6001 - (Z) (RS)
Torque:	0.8 oz/in (6 N-cm)
Humidity:	Up to 98% permissible
Speed:	6000 RPM max.
Shock:	10g (6msec)
Vibration:	5g (500 Hz)
Shaft load:	Radial / Axial 10 N
Line driver output max:	50 mA per channel
Max. ppr:	5000
Inertia:	275 gm-cm ²

Connection Options

	Cable
PS GND	Black
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

Diagram is shown with clockwise shaft rotation viewed from shaft end



Certifications

Does not require a barrier for use in hazardous areas, it is **Flameproof**, making the barrier redundant.

IP 66/X7

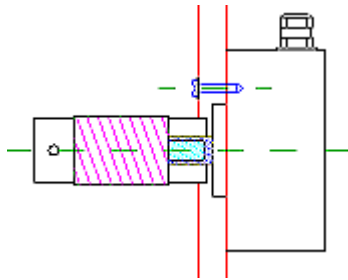
Ex d IIC

ATEX [\[Certificate\]](#)

IECEX [\[Certificate\]](#)

Mounting Instructions

Hook up the encoder with the connections as described. Make sure power supply meets specifications. Attach encoder to mounting bracket as shown. Attach shaft using a flexible coupling.



Dimensions

