

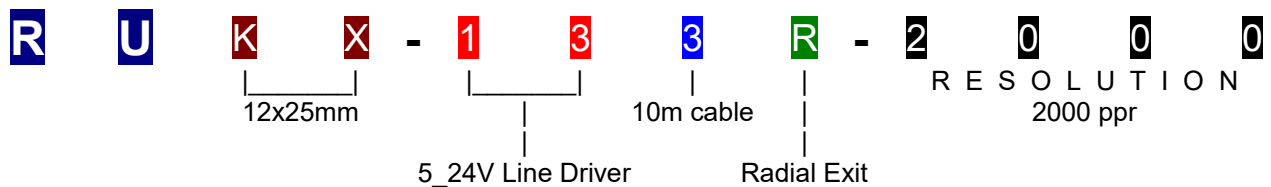
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Elektrotechnik Werne

Series 'DXE' stainless steel shaft encoder up to 12 m



Class I, Zone 1; Zone 21; Class II, Div 2



XX Shaft Size

K1 = 12 x 25 mm

XX Output Circuit

13 = Extended Line Driver

X Connection

3 = 10 m cable

X Connection Exit

T = Radial Exit

Technical Data

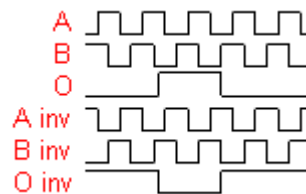
Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
On request:	-40 ... + 60 degrees C
Max frequency:	100 kHz
Current consumption:	90 mA (max.)
Power supply:	5 - 24V
Weight:	125 oz (3.5 kg)
Protection:	IP 66 / 67
Housing:	Stainless Steel
Shaft:	Stainless Steel
Bearings:	2 x 6001 - (Z) (RS)
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

ATEX [[Certificate](#)]

IECEX [[Certificate](#)]

CSA [[Certificate](#)]

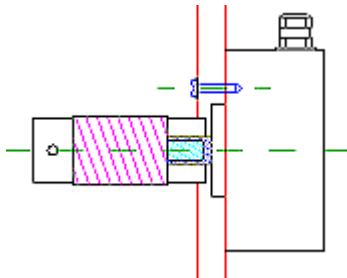
GOST-CU [[Certificate](#)]

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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

