

Incremental encoders

Twin-encoder, shaft $\varnothing 11$ mm with EURO flange B10

Resolution 1...2500 pulses

POG 11 G



POG 11 G

Technical data - electrical ratings

Voltage supply	5 VDC ± 5 % 9...26 VDC 9...30 VDC
Consumption w/o load	≤ 100 mA
Resolution (steps/turn)	1...2500
Phase shift	$90^\circ \pm 20^\circ$
Scan ratio	40...60 %
Reference signal	Zero pulse, width 90°
Sensing method	Optical
Output frequency	≤ 120 kHz
Output signals	K1, K2, K0 + inverted
Output circuit	TTL (RS422) HTL (power linedriver)
Interference immunity	DIN EN 61000-6-2
Emitted interference	DIN EN 61000-6-4
Approval	UL approval / E256710

Features

- Twin-encoder featuring two separate systems
- Offshore and salt water firm
- Logic level TTL or HTL
- Suitable to drive for lines max. 500 m (TTL)
- Very high resistance to shock and vibrations
- High protection IP 67
- Big terminal box, turn by 180°

Technical data - mechanical design

Dimensions (flange)	$\varnothing 115$ mm
Shaft	$\varnothing 11$ mm
Shaft loading	≤ 300 N axial ≤ 450 N radial
Flange	EURO flange B10
Protection DIN EN 60529	IP 67
Operating speed	≤ 12000 rpm (mechanical)
Operating torque typ.	2 Ncm
Rotor moment of inertia	200 gcm ²
Materials	Housing: aluminium die-cast Shaft: stainless steel
Operating temperature	$-40 \dots +100$ °C
Resistance	IEC 60068-2-6 Vibration 25 g, 10-2000 Hz IEC 60068-2-27 Shock 300 g, 6 ms
Explosion protection	II3G Ex nA IIC T4 Gc (gas) II3D Ex tc IIIC T135°C Dc (dust)
Connection	Terminal box
Weight approx.	2.4 kg

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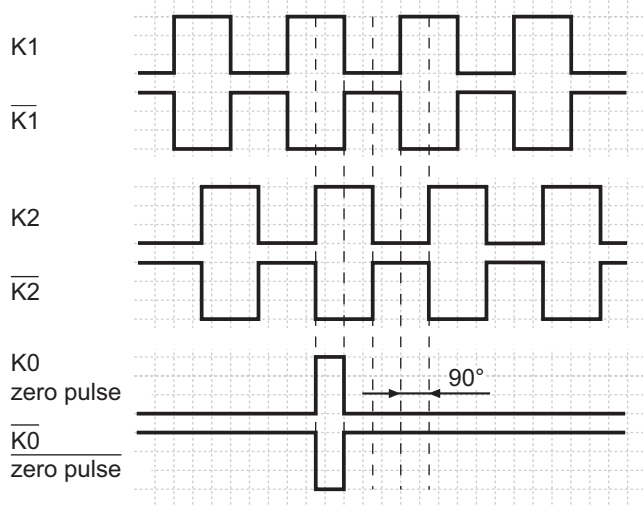
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Output signals

at positive rotating direction



Terminal assignment

View A - Connecting terminal in terminal box

