

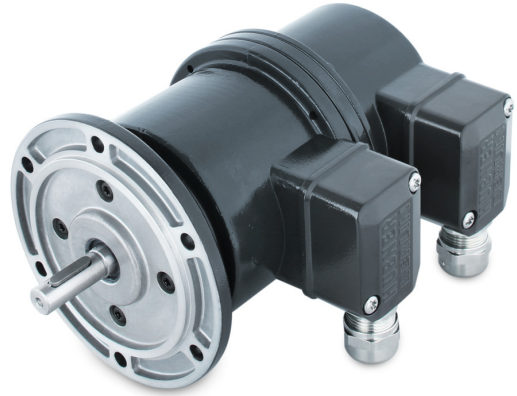
POG9G DN 1024 I / DN 1024 I

Twin encoder with featuring two separate systems, solid shaft with EURO flange B10, 1024 pulses per r

Article number: 11085379

Overview

- Redundant twin encoder
- HTL output driver for cable length up to 350 m
- High resistance to shock and vibration
- Hybrid bearing for extended service life
- Terminal boxes, turn by 180°



Technical data

Technical data - electrical ratings

Voltage supply	9...30 VDC
Consumption w/o load	≤100 mA (per system)
Pulses per revolution	1024
Phase shift	90 ° ±20°
Duty cycle	40...60 %
Reference signal	Zero pulse, width 90°
Output frequency	≤120 kHz
Output signals	K1, K2, K0 + inverted
Output stages	HTL-P (power linedriver)
Sensing method	Optical
Interference immunity	EN 61000-6-2
Emitted interference	EN 61000-6-3
Approval	CE UL approval / E217823

Technical data - mechanical design

Size (flange)	ø115 mm
Shaft type	ø11 mm solid shaft

Technical data - mechanical design

Admitted shaft load	≤250 N axial ≤350 N radial
Flange	EURO flange B10
Protection EN 60529	IP 56
Operating speed	≤12000 rpm (mechanical)
Operating torque typ.	2 Ncm
Rotor moment of inertia	200 gcm ²
Material	Housing: aluminium die-cast Shaft: stainless steel
Operating temperature	-30...+100 °C
Resistance	IEC 60068-2-6 Vibration 10 g, 10-2000 Hz IEC 60068-2-27 Shock 300 g, 1 ms
Corrosion protection	IEC 60068-2-52 Salt mist for ambient conditions CX (C5-M) according to ISO 12944-2
Connection	2x terminal box
Weight approx.	2 kg

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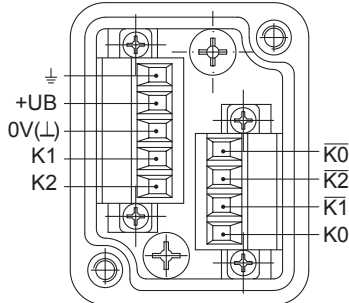
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Terminal assignment

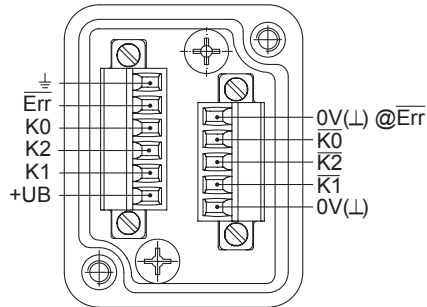
View A (see dimension)

Connecting terminal terminal box



Option EMS: View A (see dimension)

Connecting terminal terminal box



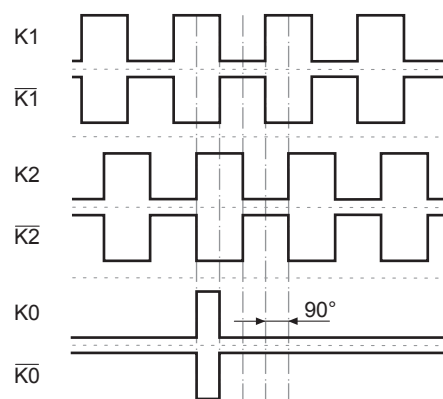
Terminal significance

+UB	Voltage supply
0V (⊥)	Ground
⏏	Earth ground (housing)
K1	Output signal channel 1
K1	Output signal channel 1 inverted
K2	Output signal channel 2 (offset by 90° to channel 1)
K2	Output signal channel 2 inverted
K0	Zero pulse (reference signal)
K0	Zero pulse inverted
Err	Error output (option EMS)

Output signals

HTL/TTL

At positive rotating direction (see dimension)



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Dimensions

