

Optical Rotary Encoders

Baumer Hubner Encoders which we trade and supply is used in different industrial sectors as per the demands of diverse clients. It is precisely designed using authentic material and machinery at our vendors unit as per the set industrial norms and standards. **Baumer Hubner Encoders** goes through various quality inspections to make sure that we serve a flawless range to our valued clients. Clients can avail it from us at highly reasonable prices in the market among our competitors.

Features

- TTL output driver for cable length up to 500 m
- Very high resistance to shock
- EURO-flange B10 / solid shaft Ø11 mm
- Optional
- Function control with EMS (Enhanced Monitoring System)
- Second shaft end

Technical Data - Electrical Ratings

- Voltage supply 9...30 VDC
- 5 VDC $\pm 5\%$
- Consumption w/o load < 100 mA
- Pulses per revolution 300...25000
- Phase shift $90^\circ \pm 2^\circ$
- Scan ratio 40...60 %
- Reference signal Zero pulse, width 90°
- Sensing method Optical
- Output frequency 170 kHz
- Output signals K1, K2, K0 + inverted
- Error output (only EMS)
- Output stages HTL-P (power linedriver)

- TTL/RS422

Technical data - mechanical design	
Size (flange)	115 mm
Shaft type	11 mm solid shaft
Shaft loading	250 N axial
	350 N radial
Flange	EURO flange B10
Protection	DIN EN 60529 IP 56
Operating speed	12000 rpm (mechanical)
Operating torque type	2 Ncm
Rotor moment of inertia	200 gcm ²
Materials	Housing: aluminium die-cast
	Shaft: stainless steel
Operating temperature	-30...+100 °C
Resistance	IEC 60068-2-6
	Vibration 10 9, 10-2000 Hz
	IEC 60068-2-27
	Shock 300 g, 1 ms
Protection	II 3 G Ex nA IIC T4 (30 (gas)
	II 3 D Ex tc IIIB T135°C DC (dust)

	Connection Terminal box
Weight approx	1.4 kg