

Incremental Magnetic Sensing Head

IKS9.1-Z2.50P2V5D1R4.444444444F1000T3L2C3E1



Width: 11 mm (metal case)
Reference Signal: 2.50
Pole Pitch: 2 mm
Supply Voltage: 5 V
Interface: RS422
Resolution: 4,444444444 μm
Output Frequency: 1000 kHz
Cable Type: Special cable types on request
Cable Length: 2 m
Connector: D-SUB 9 (male)
LED Mode: Remote support avail.
Hysteresis: 1.95
Error Behaviour: Standard
Customer Requirements: Testsensor

Technical characteristics

- Incremental magnetic sensor
- Pole pitch 2 mm
- For linear and rotary scales

Benefits

- Non-contact, quick position measurement
- Precise
- Programmable
- No wear from usage
- Resistant to dust, cooling lubricant emulsion, oil, etc.
- Unlimited measuring length

Electrical and mechanical parameter

Pole pitch	
Signal period	
Resolution	
Repeatability	
Voltageg	
Current consumption	65 mA \pm 5 % (UB = 5 V)
Zulässige Last	
Protection class	IP67 (EN 60529)
Operating temperature	- 20°C. + 70°C
Humidt	
Maximum speed	
Interface	
Cable length	2 m
Connector	

Output signals

Output circuit	
Clock frequency	
Tc	
Signal	A, /A, B, /B, Z , /Z
Signal amplitude	5V
Reference voltage U ₀	
Phase shift A and B	90° ± 10° electrical
Maximum frequency (at 2 m/s)	

V+	
V-	
A	
/A	
B	
/B	
CK	
/CK	
D	
/D	
SCH	

Dimensions



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20.08.2019 14:55

<https://www.bogen-electronic.com/en/magnetic-measurement-solutions/sensing-heads/incremental/linear/00052849.html>

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