

## Incremental Magnetic Sensing Head IKS8-Z2P2V5D1R5F1000T1L3C3



Reference Signal: 2  
Pole Pitch: 2 mm  
Supply Voltage: 5 V  
Interface: RS422  
Resolution: 5  $\mu$ m  
Output Frequency: 1000 kHz  
Cable Type: Standard ( $\varnothing$  4.5 mm)  
Cable Length: 3 m  
Connector: D SUB 9 (male)

### Technical characteristics

- Incremental magnetic sensor
- One block design
- Pole pitch 2 mm
- For linear and rotary scales
- Programmable with PC or App

### 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	2 mm
Resolution	5 $\mu$ m
Repeatability	$\pm$ 1 Increment
Voltageg	
Current consumption	65 mA $\pm$ 5 % (UB = 5 V)
Zulässige Last	
Protection class	IP67 (EN 60529)
Operating temperature	-20° ... +70° C
Humidt	
Maximum speed	
Interface	
Cable length	3 m
Connector	D-SUB 9 (male)

**Output signals**

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

V+	red
V-	blue
A	brown
/A	green
B	grey
/B	yellow
CK	pink
/CK	white
D	
/D	
SCH	

**Dimensions**


Magnetics that count



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<http://www.bogen-electronic.com/en/magnetic-measurement-solutions/sensing-heads/incremental/linear/00051156.html>

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