

Incremental Magnetic Sensing Head IKS8-Z1P1V5D1R5F10T1L1C3



Reference Signal: 1
Pole Pitch: 1 mm
Supply Voltage: 5 V
Interface: RS422
Resolution: 5 μ m
Output Frequency: 10 kHz
Cable Type: Standard (\varnothing 4.5 mm)
Cable Length: 1 m
Connector: D SUB 9 (male)

Technical characteristics

- Incremental magnetic sensor
- One block design
- Pole pitch 1 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	1 mm
Resolution	1 μ 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	1 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 ₀	
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/00051456.html>

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