Baumer
Passion for Sensors

Inductive distance sensors

IWRM 04U9701/S05

Inductive distance sensors - subminiature

Article number: 10154686

Overview

- 0 … 1 mm
- voltage output
- connector M5
- 10 … 60 °C
- IP 67

Picture similar

Technical data

General data	
Mounting type	Quasi-flush
Measuring distance Sd	0 … 1 mm
Resolution	< 0.001 mm (stat.) < 0.005 mm (dynam.)
Repeat accuracy	0.005 mm
Linearity error	± 100 µm
Temperature drift	± 5 % (Full Scale)
Electrical data	
Response time (factory characteristic)	< 0.5 ms
Voltage supply range +Vs	15 … 30 VDC
Current consumption max. (no load)	15 mA
Output circuit	Voltage output

Electrical data	
Output signal	0 ... 10 VDC
Load resistance	> 1000 Ohm
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Design	Cylindrical smooth
Material (sensing face)	LCP
Housing material	Stainless steel
Dimension	4 mm
Housing length	30 mm
Connection types	Connector M5
Ambient conditions	
Operating temperature	10 … +60 °C
Protection class	IP 67

2023-08-30 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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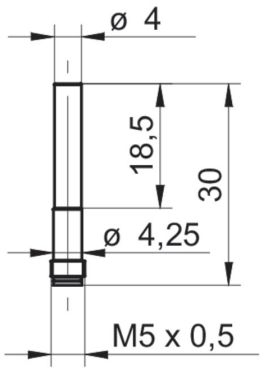
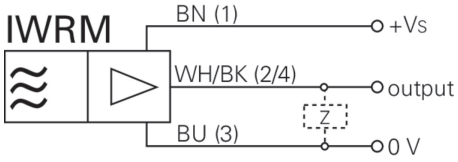
Dimension drawing



Connection diagram



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