Inductive distance sensors

IWRM 06I9501

Inductive distance sensors

Article number: 10146515

Overview

- 0 … 2 mm
- current output
- cable, 2 m
- 10 … 60 °C
- IP 67

Picture similar

Technical data

General data	
Mounting type	Quasi-flush
Measuring distance Sd	0 … 2 mm
Resolution	< 0.001 mm (stat.) < 0.005 mm (dynam.)
Repeat accuracy	0.02 mm
Linearity error	± 100 µm
Temperature drift	± 5 % (Full Scale)
Electrical data	
Response time (factory characteristic)	< 0.7 ms
Voltage supply range +Vs	15 … 30 VDC
Current consumption max. (no load)	35 mA
Output circuit	Current output
Output signal	0 ... 10 mA

Electrical data	
Load resistance +Vs min.	< 910 Ohm
Load resistance +Vs max.	< 2400 Ohm
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Design	Cylindrical smooth
Material (sensing face)	PBT
Housing material	Stainless steel
Dimension	6.5 mm
Housing length	40 mm
Connection types	Cable, L=2 m
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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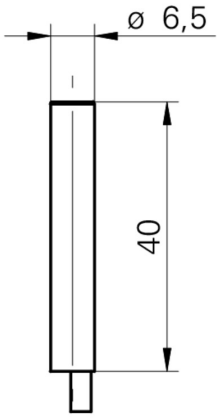
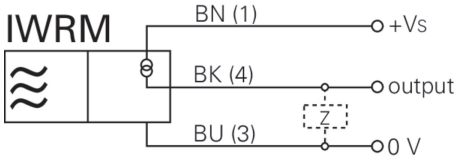
Dimension drawing



Connection diagram



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