IWRM 12I9704/S14

Inductive distance sensors

Article number: 10144285

Overview

- 0 … 4 mm
- current output
- connector M12
- -10 … 70 °C
- IP 67



Picture similar

Technical data

General data	
Mounting type	Quasi-flush
Measuring distance Sd	0 … 4 mm
Resolution	< 0.001 mm (stat.) < 0.005 mm (dynam.)
Repeat accuracy	0.01 mm
Linearity error	± 160 µm
Temperature drift	± 4 % (Full Scale)
Electrical data	
Response time (factory characteristic)	< 2 ms
Voltage supply range +Vs	15 … 30 VDC
Output circuit	Current output
Output signal	4 ... 20 mA
Load resistance +Vs min.	< 330 Ohm

Electrical data	
Load resistance +Vs max.	< 1000 Ohm
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Type	Cylindrical threaded
Housing material	Brass nickel plated
Dimension	12 mm
Housing length	50 mm
Connection types	Connector M12
Tightening torque max.	15 Nm (Front: 10 Nm)
Ambient conditions	
Operating temperature	-10 … +70 °C
Protection class	IP 67

Remarks

- Linearity deviation (S = 0,5...4 mm) ± 4% (Full Scale)

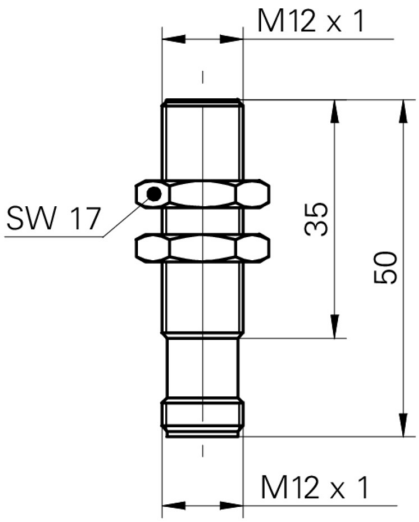
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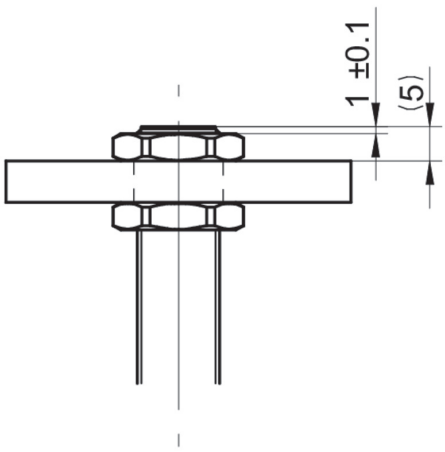
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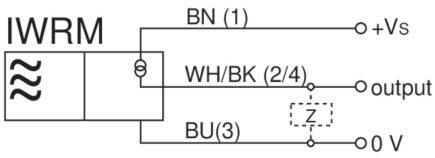
Dimension drawing



Installation drawing



Connection diagram



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