

Overview

- 0 ... 2 mm
- current output
- connector M8
- -10 ... 70 °C
- IP 67



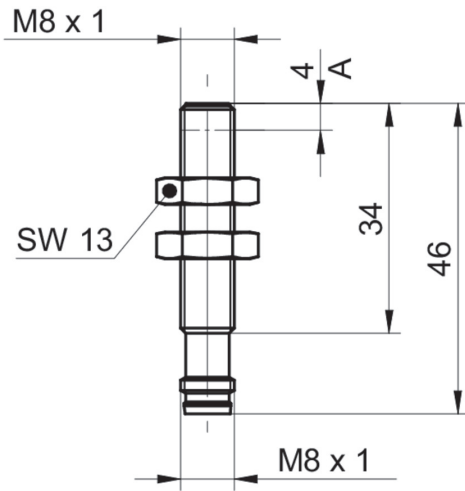
Picture similar



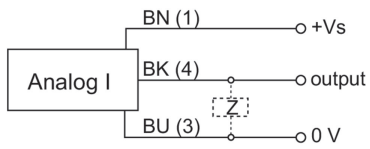
Technical data

General data		Electrical data	
Mounting type	Flush	Output signal	0 ... 10 mA
Measuring distance Sd	0 ... 2 mm	Load resistance	> 30 V min. 500 Ω
Resolution	< 0,001 mm (stat.) < 0,005 mm (dynam.)	Short circuit protection	Yes
Repeat accuracy	< 0,02 mm	Reverse polarity protection	Yes
Linearity error	± 140 μm (S = 0 ... 2 mm) ± 60 μm (S = 0,5 ... 1,5 mm)	Mechanical data	
Temperature drift	± 5 % (Full Scale; -10 ... +70 °C) ± 3 % (Full Scale; 0 ... +60 °C)	Type	Cylindrical threaded
Approvals/certificates	EN 60947-5-2:2007	Material (sensing face)	PBT
Electrical data		Housing material	Stainless steel
Response time (factory characteristic)	< 0,5 ms	Dimension	8 mm
Voltage supply range +Vs	6 ... 36 VDC	Housing length	46 mm
Current consumption max. (no load)	12 mA	Connection types	Connector M8
Output circuit	Current output	Tightening torque max.	10 Nm (A: 7 Nm)
		Ambient conditions	
		Operating temperature	-10 ... +70 °C
		Storage temperature range	-40 ... +85 °C
		Protection class	IP 67

Dimension drawing



Connection diagram



Pin assignment

