

Overview

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



Picture similar



Technical data

General data

Mounting type	Flush
Measuring distance Sd	0 ... 2 mm
Resolution	< 0.001 mm (stat.) < 0.005 mm (dynam.)
Repeat accuracy	0.02 mm
Linearity error	± 140 µm (S = 0 ... 2 mm) ± 60 µm (S = 0,5 ... 1,5 mm)
Temperature drift	± 5 % (Full Scale: -10 ... +70 °C) ± 3 % (Full Scale: 0 ... +60 °C)
Approvals/certificates	EN 60947-5-2:2007

Electrical data

Response time (factory characteristic)	< 0.5 ms
Voltage supply range +Vs	6 ... 36 VDC
Current consumption max. (no load)	12 mA

Electrical data

Output circuit	Analog 0 ... 10 mA
Load resistance	> 30 V min. 500 Ω
Short circuit protection	Yes
Reverse polarity protection	Yes

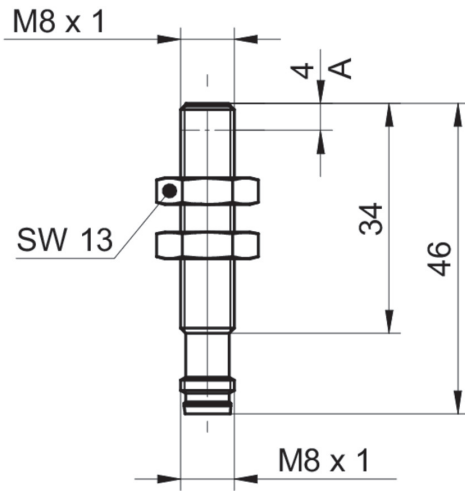
Mechanical data

Design	Cylindrical threaded
Material (sensing face)	PBT
Housing material	Stainless steel
Dimension	8 mm
Housing length	46 mm
Connection types	Connector M8
Tightening torque max.	10 Nm (A: 7 Nm)

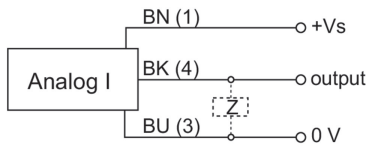
Ambient conditions

Operating temperature	-10 ... +70 °C
Storage temperature range	-40 ... +85 °C
Protection class	IP 67

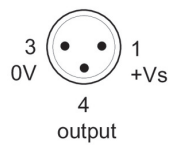
Dimension drawing



Connection diagram



Pin assignment



Accessories

Mounting accessories

10151719

Sensofix series 08 round