

Overview

- 0 ... 3 mm
- current output
- connector M8
- -10 ... 70 °C
- IP 67



Picture similar



Technical data

General data

Mounting type	Quasi-flush
Measuring distance Sd	0 ... 3 mm
Resolution	< 0.001 mm (stat.) < 0.01 mm (dynam.)
Repeat accuracy	0.02 mm
Linearity error	± 120 µm (S = 0,75 ... 2,25 mm) ± 360 µm (S = 0 ... 3 mm)
Temperature drift	± 4 % (Full Scale: 0 ... +60 °C) ± 6 % (Full Scale: -10 ... +70 °C)

Electrical data

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

Electrical data

Output signal	0 ... 10 mA
Load resistance	< 100 Ohm/V * Vs - 400 Ohm > 500 Ohm (Vs = 30 ... 36 VDC)
Short circuit protection	Yes
Reverse polarity protection	Yes

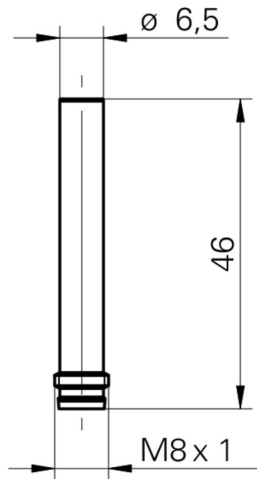
Mechanical data

Design	Cylindrical smooth
Material (sensing face)	PBT
Housing material	Stainless steel
Dimension	6.5 mm
Housing length	46 mm
Connection types	Connector M8

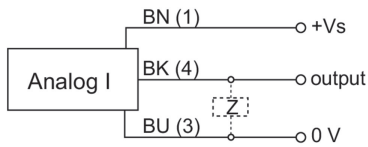
Ambient conditions

Operating temperature	-10 ... +70 °C
Protection class	IP 67

Dimension drawing



Connection diagram



Pin assignment

