

Overview

- 0 ... 2 mm
- voltage 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	± 60 µm (S = 0,5 ... 1,5 mm) ± 140 µm (S = 0 ... 2 mm)
Temperature drift	± 3 % (Full Scale; 0 ... +60 °C) ± 5 % (Full Scale; -10 ... +70 °C)

Electrical data

Response time (factory characteristic)	< 0,5 ms
Voltage supply range +Vs	12 ... 36 VDC
Current consumption max. (no load)	10 mA

Electrical data

Output circuit	Voltage output
Output signal	0 ... 10 VDC
Load resistance	> 4000 Ohm
Short circuit protection	Yes
Reverse polarity protection	Yes

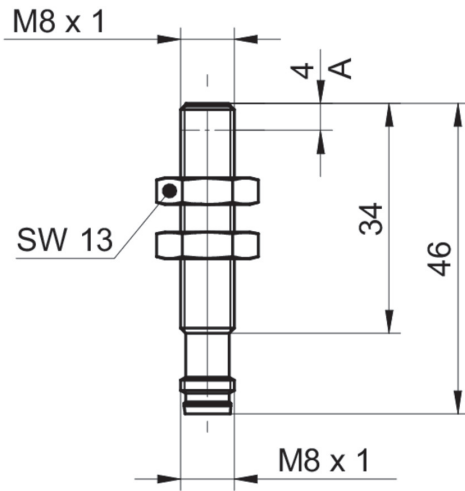
Mechanical data

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

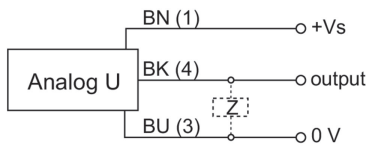
Ambient conditions

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

Dimension drawing



Connection diagram



Pin assignment

