

Overview

- 0 ... 6 mm
- current output
- external Teach-in
- connector M12
- -25 ... 75 °C (Vs = 8 ... 30 VDC)
- -25 ... 60 °C (Vs = 8 ... 36 VDC)
- IP 67



Picture similar



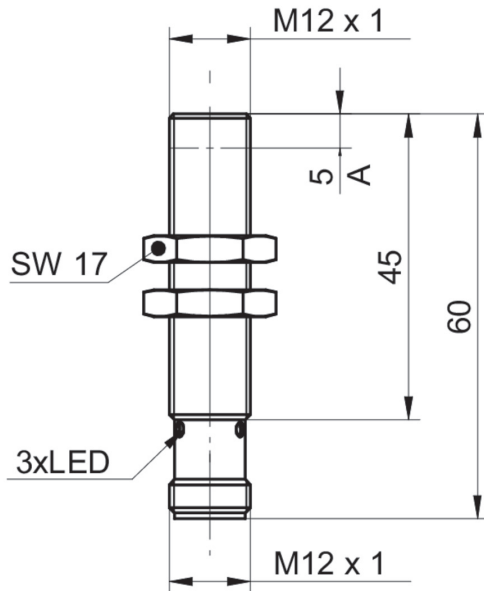
Technical data

General data		Electrical data	
Mounting type	Quasi-flush	Current consumption max. (no load)	25 mA
Special type	Linearized	Output circuit	Current output
Measuring distance Sd	0 ... 6 mm	Output signal	4 ... 20 mA
Sensitivity	2,67 mA/mm	Load resistance	< 50 Ohm/V * Vs - 250 Ohm > 500 Ohm (Vs = 30 ... 36 VDC)
Resolution	< 0.003 mm (stat.) < 0.005 mm (dynam., S = 0 ... 4 mm) < 0.022 mm (dynam., S = 0 ... 6 mm)	Short circuit protection	Yes
Repeat accuracy	0.01 mm	Reverse polarity protection	Yes
Adjustment	External Teach-in	Mechanical data	
Teach	1-point analog, 2-point analog, factory re-set	Design	Cylindrical threaded
Linearity error	± 25 µm (S = 0 ... 4 mm) ± 120 µm (S = 0 ... 6 mm)	Material (sensing face)	PBT
Temperature drift	± 2 % (Full Scale: S = 0 ... 4 mm) ± 5 % (Full Scale: S = 0 ... 6 mm)	Housing material	Brass nickel plated
Teach-Feedback	LED yellow	Dimension	12 mm
Electrical data		Housing length	60 mm
Response time (factory characteristic)	< 1 ms	Connection types	Connector M12
Voltage supply range +Vs	8 ... 36 VDC	Tightening torque max.	15 Nm (A: 10 Nm)
		Ambient conditions	
		Operating temperature	-25 ... +75 °C (Vs = 8 ... 30 VDC) -25 ... +60 °C (Vs = 8 ... 36 VDC)
		Protection class	IP 67

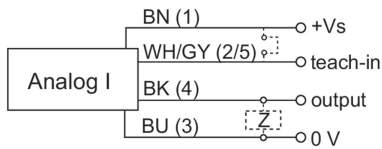
Remarks

- External Teach-in
- Linear analog output

Dimension drawing



Connection diagram



Pin assignment

