

Overview

- 20 ... 1000 mm
- current output
- qTeach, line-Teach
- connector M12 5 pin
- -25 ... 65 °C
- IP 69



Picture similar



Technical data

General data

Scanning range Sd	20 ... 1000 mm
Scanning range close limit Sdc	20 ... 1000 mm
Scanning range far limit Sde	20 ... 1000 mm
Repeat accuracy	0.5 mm
Resolution	< 0.3 mm
Response time ton	< 40 ms
Release time toff	< 40 ms
Temperature drift	> 50 mm < 2 % of distance to target Sde
Power-up drift	Compensated after 15 min.
Sonic frequency	200 kHz
Adjustment	qTeach, line-Teach
Light indicator	LED yellow
Power on indication	LED green
Alignment measuring axis	< 2°

Electrical data

Voltage supply range +Vs	12 ... 30 VDC
Current consumption typ.	35 mA

Electrical data

Output circuit	Current output
Output signal	4 ... 20 mA / 20 ... 4 mA
Residual ripple	< 10 % Vs
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

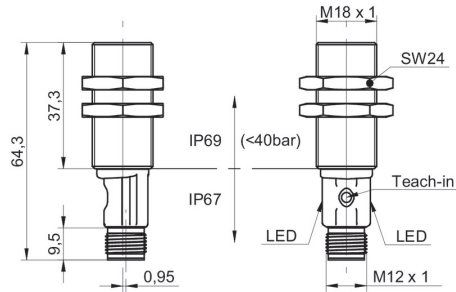
Mechanical data

Design	Cylindrical threaded
Housing material	Stainless steel (V2A) / TR90
Coating active face	PEEK
Width / diameter	18 mm
Height / length	64 mm
Connection types	Connector M12 5 pin

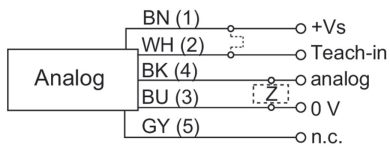
Ambient conditions

Operating temperature	-25 ... +65 °C
Storage temperature	-40 ... +75 °C
Protection class	IP 69
Protection class (connection)	IP 67

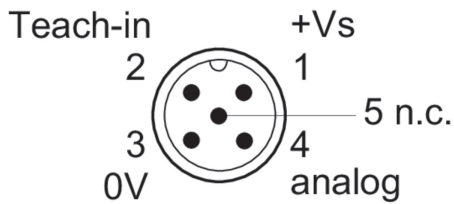
Dimension drawing



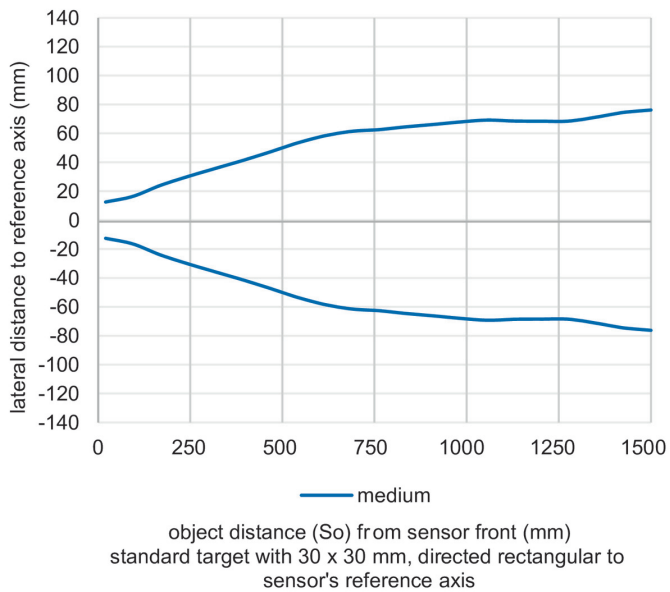
Connection diagram



Pin assignment



Typical sonic cone profile



Accessories

Mounting accessories

10151658	Sensofix series 18
11172096	ZADAP-M18.STANDARD
11171584	ZADAP-M18.SHORT
11172095	ZADAP-M18.LONG
11172110	ZADAP-M18.SWING
11707685	Mounting rod with mounting plate holder 200 mm
11707686	Mounting rod with mounting plate holder 300 mm
11707688	Mounting rod 200 mm
11707697	Mounting rod 250 mm
11707698	Mounting rod with mounting plate holder 250 mm
11707687	Mounting rod 300 mm
11707699	Mounting plate series 500 and ø18 mm
11707702	Mounting base
11707703	Two-way connector