

**Overview**

- 20 ... 1500 mm
- current output
- qTeach, line-Teach, IO-Link
- connector M12 5 pin
- -25 ... 65 °C
- IP 69



Picture similar



**Technical data**

**General data**

Scanning range Sd	20 ... 1500 mm
Scanning range close limit Sdc	20 ... 1500 mm
Scanning range far limit Sde	20 ... 1500 mm
Version	IO-Link dual channel Multiplex version
Hysteresis typ.	4 % Sde
Repeat accuracy	0.5 mm
Resolution	< 0.3 mm
Response time ton	< 70 ms
Release time toff	< 70 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, IO-Link
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
Output circuit	Current output
Baud rate	38.4 kBaud (COM 2)
Output signal	4 ... 20 mA / 20 ... 4 mA

**Electrical data**

Output current	100 mA
Voltage drop Vd	<3.5 VDC
Residual ripple	< 10 % Vs
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

**Communication interface**

Interface	IO-Link V1.1
Baud rate	38.4 kBaud (COM 2)
Cycle time	≥ 12 ms
Process data length	48 Bit
Process data structure	Bit 0 = SSC1 (distance) Bit 1 = SSC2 (distance) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 8-15 = scale factor Bit 16-47 = 32 Bit measurement

IO-Link port type	Class A
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Additional data	Distance Excess gain Operating cycles Operating hours Boot cycles Operating voltage Device temperature Histograms
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**Technical data**

**Communication interface**

Adjustable parameters	Switching point
	Switching hysteresis
	Measured value filtering
	Time filters
	LED status indicators
	Output logic
	Output circuit
	Counter
	Beam forming
	Analog output characteristic
	Function of pin 5
	Deactivate the sensor element
	Find Me function

**Mechanical data**

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

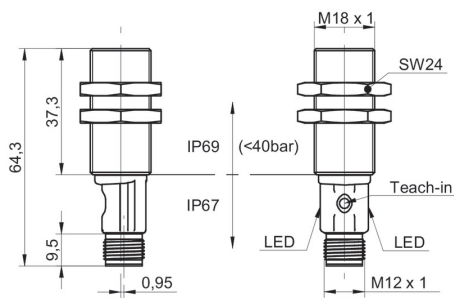
**Ambient conditions**

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

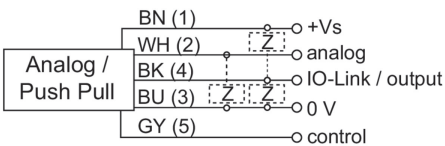
**Mechanical data**

Design	Cylindrical threaded
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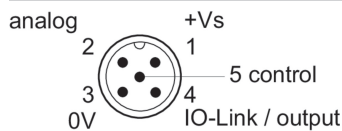
**Dimension drawing**



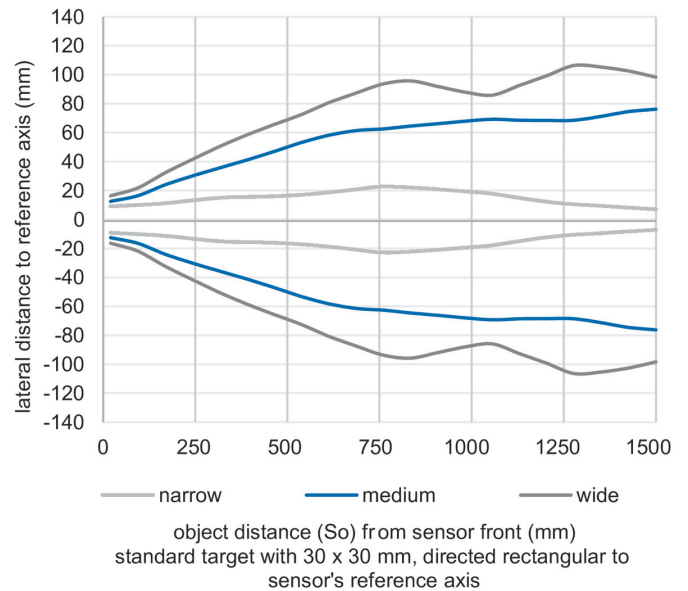
**Connection diagram**



**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
11707701	Mounting plate series 300 and $\varnothing$ 12 mm
11707702	Mounting base
11707703	Two-way connector