

**Overview**

- 0... 1000 mm
- push-pull
- qTeach, line-Teach, IO-Link
- connector M12 5 pin
- -25 ... 65 °C
- IP 69



Picture similar



**Technical data**

**General data**

Scanning range Sd	0 ... 1000 mm
Reflector position Sde	100 ... 1000 mm
Adjusting range reflector (operating range)	± 2,5 % Sde
Adjusting range reflector (limit range)	± 5 % Sde
Version	IO-Link
Repeat accuracy	< 0,5 mm
Temperature drift	< 2 % Sde
Power-up drift	Compensated after 15 min.
Response time ton	< 40 ms
Release time toff	< 40 ms
Sonic frequency	200 kHz
Adjustment	qTeach, line-Teach, IO-Link
Alignment aid	Light indicator flashing
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	Push-pull
Output current	< 100 mA
Voltage drop Vd	< 3,5 VDC
Residual ripple	< 10 % Vs

**Electrical data**

Short circuit protection	Yes
Reverse polarity protection	Yes

**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**

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

**Technical data**

**Communication interface**

Adjustable parameters	Time filters
	LED status indicators
	Output logic
	Output circuit
	Counter
	Beam forming
	Deactivate the sensor element
	Find Me function

**Mechanical data**

Type	Cylindrical threaded
Housing material	Stainless steel (V2A) / TR90
Width / diameter	18 mm

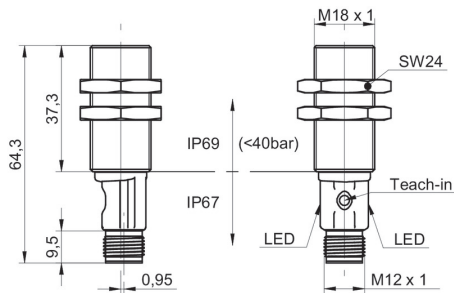
**Mechanical data**

Height / length	64 mm
Connection types	Connector M12 5 pin
Coating active face	PEEK

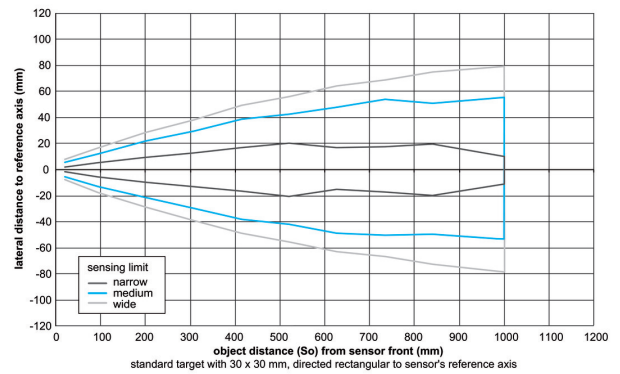
**Ambient conditions**

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

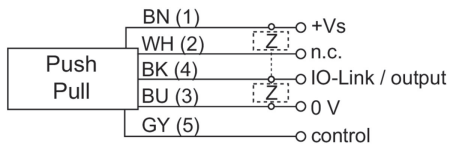
**Dimension drawing**



**Typical sonic cone profile**



**Connection diagram**



**Pin assignment**

