

**Overview**

- 100 ... 1000 mm
- current output
- qTeach
- connector M12
- -25 ... 60 °C
- IP 67



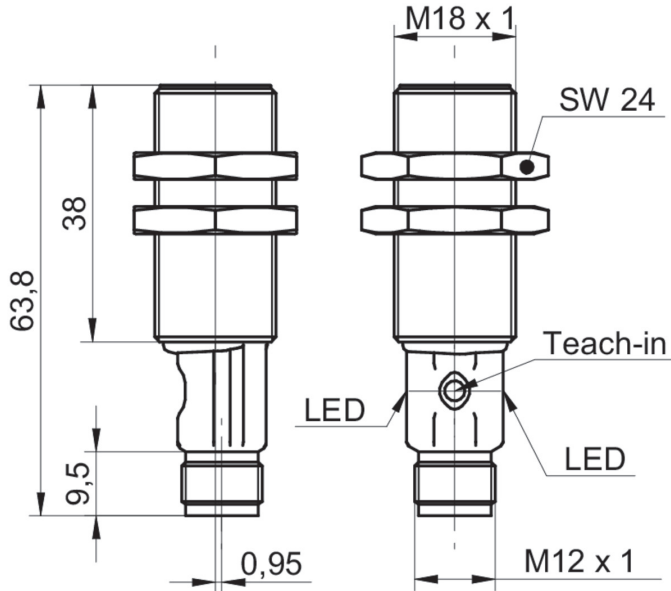
Picture similar



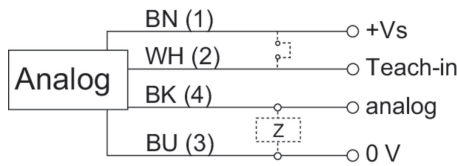
**Technical data**

General data		Electrical data	
Scanning range Sd	100 ... 1000 mm	Voltage supply range +Vs	12 ... 30 VDC
Scanning range close limit Sdc	100 ... 1000 mm	Current consumption typ.	38 mA
Scanning range far limit Sde	100 ... 1000 mm	Output circuit	Current output
Repeat accuracy	0.5 mm	Output signal	4 ... 20 mA / 20 ... 4 mA
Resolution	< 0.3 mm	Residual ripple	< 10 % Vs
Response time ton	< 80 ms	Short circuit protection	Yes
Release time toff	< 80 ms	Reverse polarity protection	Yes, Vs to GND
Temperature drift	< 2 % of distance to target So	Mechanical data	
Power-up drift	Compensated after 10 min.	Type	Cylindrical threaded
Sonic frequency	220 kHz	Housing material	Brass nickel plated / TR90
Adjustment	qTeach	Width / diameter	18 mm
Light indicator	LED yellow	Height / length	64 mm
Power on indication	LED green	Connection types	Connector M12
Alignment measuring axis	< 2°	Ambient conditions	
		Operating temperature	-25 ... +60 °C
		Storage temperature	-40 ... +85 °C
		Protection class	IP 67

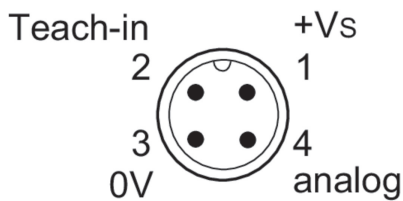
**Dimension drawing**



**Connection diagram**



**Pin assignment**



**Typical sonic cone profile**

