

Overview

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



Picture similar

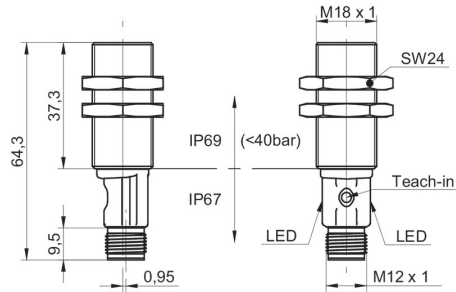


Technical data

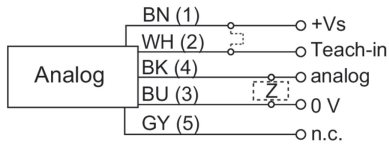
| General data | |
|--------------------------------|---|
| Scanning range Sd | 20 ... 1500 mm |
| Scanning range close limit Sdc | 20 ... 1500 mm |
| Scanning range far limit Sde | 20 ... 1500 mm |
| Repeat accuracy | 0.5 mm |
| Resolution | < 0.3 mm |
| Response time ton | < 70 ms |
| Release time 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 |
| 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 | Voltage output |
| Output signal | 0 ... 10 V / 10 ... 0 V |
| 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 |

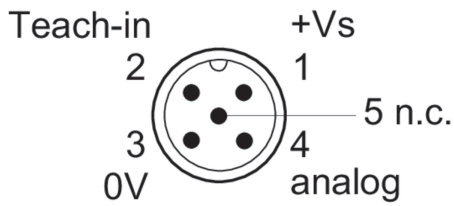
Dimension drawing



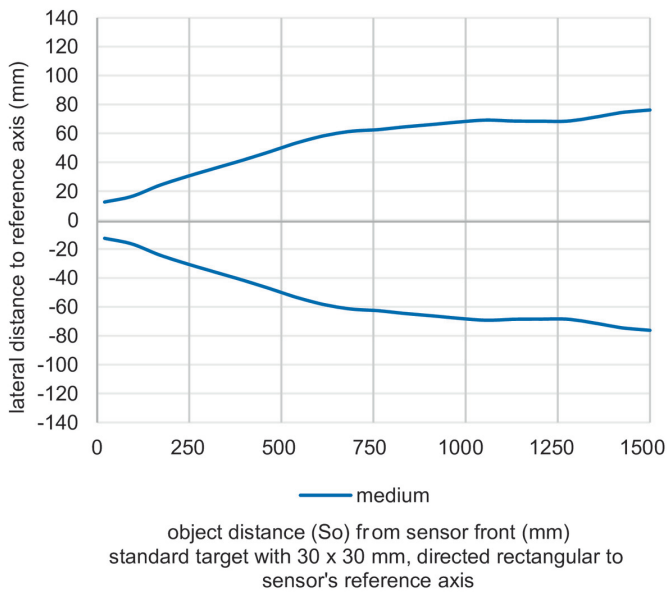
Connection diagram



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