

Overview

- light barrier
- 30 ... 300 mm
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- flylead connector M8, L=200 mm
- -25 ... 60 °C
- IP 68/69K & proTect+



Picture similar



Technical data

General data

| | |
|-------------------------------------|-------------------------------|
| Type | Light barrier |
| Special type | Hygienic design |
| Version | Transparency object detection |
| Light source | Pulsed PinPoint LED |
| Background position Sde | 30 ... 300 mm |
| Scanning range Sa | 100% ... 85% Sde |
| Minimal signal attenuation | 10 % / 20 % / 30 % |
| Power on indication | LED green |
| Light indicator | LED yellow |
| Sensing distance adjustment | Teach-in and IO-Link |
| Wave length | 630 nm |
| Suppression of reciprocal influence | Yes |
| Alignment optical axis | < 2° |
| Approvals/certificates | Ecolab |
| Electrical data | |
| Response time / release time | 0,25 ... 0,6 ms |
| Voltage supply range +Vs | 10 ... 30 VDC |

Electrical data

| | |
|------------------------------------|--------------------------------|
| Current consumption max. (no load) | 45 mA |
| Current consumption typ. | 30 mA |
| Voltage drop Vd | < 3 VDC |
| Output function | Light / dark operate |
| Output circuit | Push-pull |
| Output current | < 100 mA |
| Short circuit protection | Yes |
| Reverse polarity protection | Yes |
| Mechanical data | |
| Width / diameter | 16,5 mm |
| Height / length | 34,6 mm |
| Depth | 28,7 mm |
| Type | Rectangular |
| Housing material | Stainless steel 1.4404 (V4A) |
| Front (optics) | PMMA |
| Connection types | Flylead connector M8, L=200 mm |

Ambient conditions

| | |
|-----------------------|----------------------|
| Protection class | IP 68/69K & proTect+ |
| Operating temperature | -25 ... +60 °C |

O300H.SP.T-GW1J.PVNV

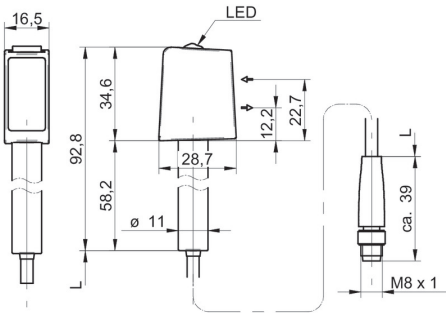
SmartReflect Light barriers - hygiene

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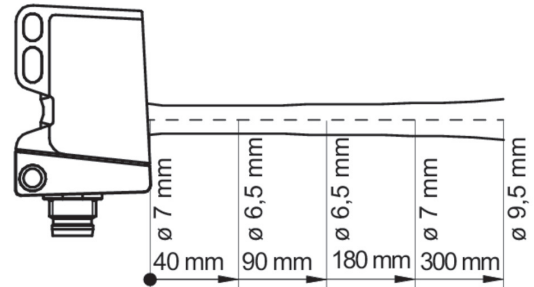
Remarks

- Magnetic Teach
- IO-Link: V1.1, filter functions, qTeach lock adjustable
- Signal attenuation adjustable
- Response time / release time: depending on the signal strength

Dimension drawing

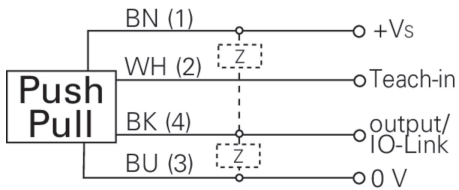


Beam characteristic (typically)



- Cable length L = 200 mm

Connection diagram



Pin assignment

