

**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
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
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°
Approvals/certificates	Ecolab Adapted from EHEDG

**Light Source**

Light source	Pulsed PinPoint LED
Wave length	630 nm

**Electrical data**

Response time / release time	0.25 ... 0.6 ms
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**Electrical data**

Voltage supply range +Vs	10 ... 30 VDC
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
Design	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.PVNK

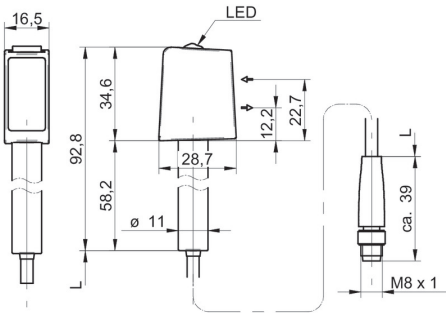
SmartReflect Light barriers - hygiene

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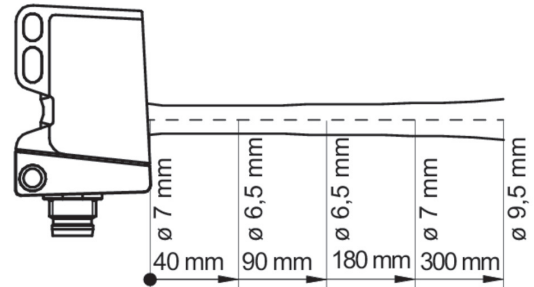
## Remarks

- 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

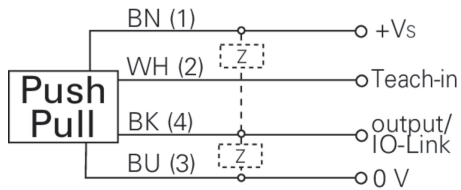


## Beam characteristic (typically)



- Cable length L = 200 mm

## Connection diagram



## Pin assignment

