

Overview

- retro-reflective sensor
- 3,5 m
- pulsed PinPoint LED
- push-pull
- Teach-in and IO-Link
- connector M8 4 pin
- 30 ... 60 °C
- IP 67



Picture similar



Technical data

General data

Type	Retro-reflective sensor
Version	Transparency object detection
Light source	Pulsed PinPoint LED
Actual range Sb	3.5 m
Nominal range Sn	4 m
Polarization filter	Yes
Minimal signal attenuation	10 % / 20 % / 30 %
Light indicator	LED yellow
Power on indication	LED green
Sensitivity adjustment	Teach-in and IO-Link
Wave length	630 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°

Electrical data

Response time / release time	< 0.25 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	35 mA

Electrical data

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	12.9 mm
Height / length	32.3 mm
Depth	23 mm
Design	Rectangular
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions

Operating temperature	-30 ... +60 °C
Protection class	IP 67

Remarks

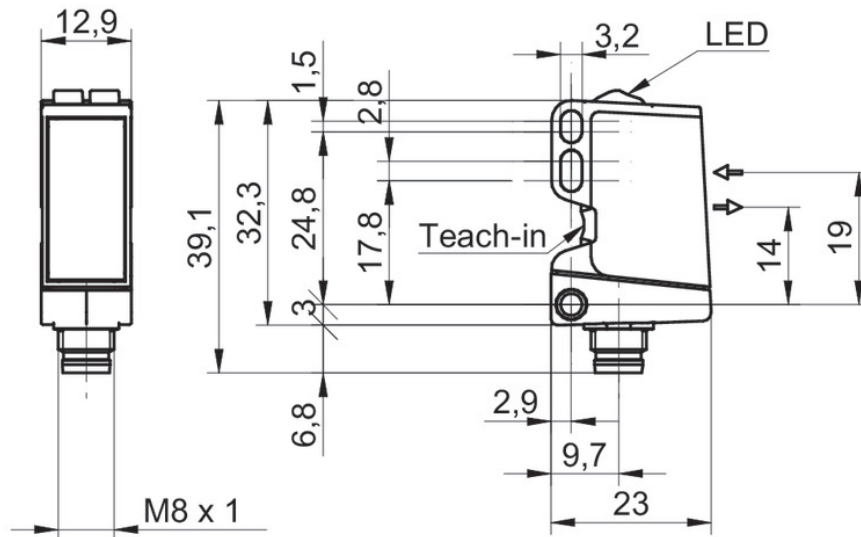
- qTeach
- IO-Link: V1.1, filter functions, qTeach lock adjustable
- Signal attenuation adjustable

O300.RP.T-GW1J.72N

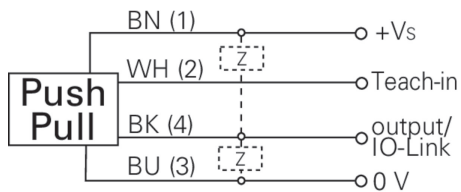
Retro-reflective sensors - transparent detection

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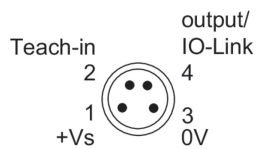
Dimension drawing



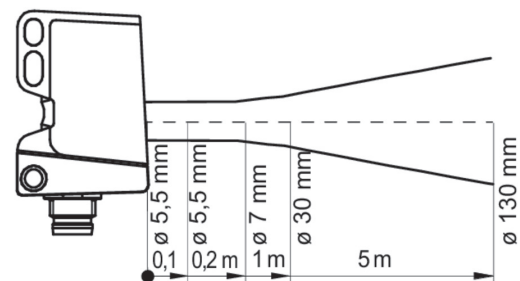
Connection diagram



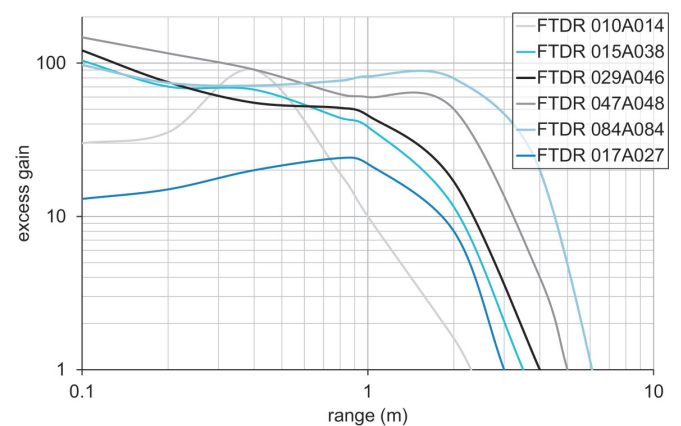
Pin assignment



Beam characteristic (typically)



Excess gain curve



Excess gain curve

