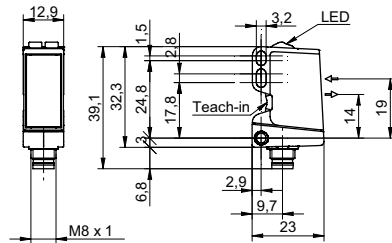


Retro-reflective sensors

O300.RP.T-GW1J.72N-11157334

dimension drawing



general data

type	retro-reflective sensor
version	transparency object detection
light source	pulsed PinPoint LED
actual range S_b	3,5 m
nominal range S_n	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	$< 2^\circ$

electrical data

response time / release time	$< 0,25$ ms
voltage supply range $+V_s$	10 ... 30 VDC
current consumption max. (no load)	35 mA
current consumption typ.	30 mA
voltage drop V_d	< 3 VDC
output function	light / dark operate
output circuit	push-pull
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

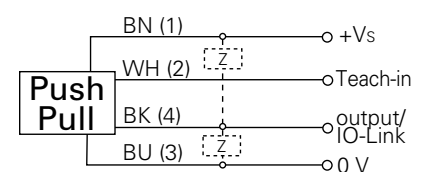
mechanical data

width / diameter	12,9 mm
height / length	32,3 mm
depth	23 mm
type	rectangular
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	connector M8 4 pin

photo



connection diagram


 IO-Link


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

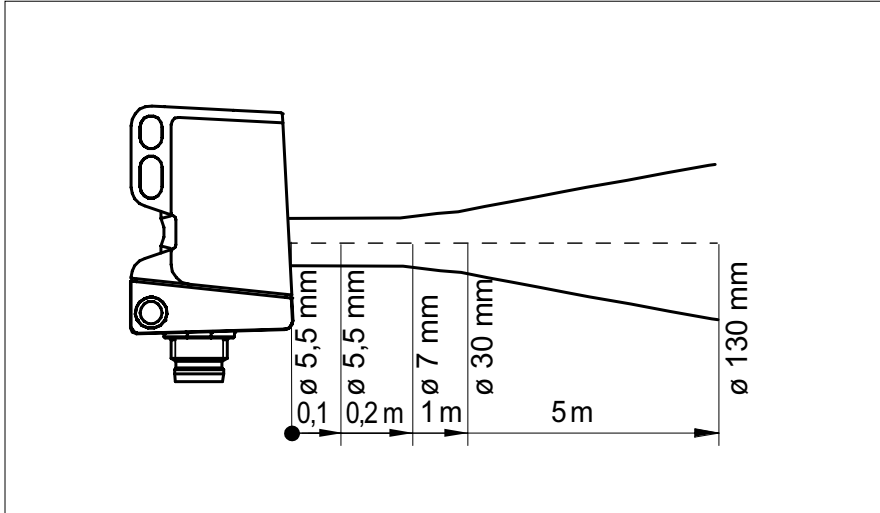
Retro-reflective sensors

O300.RP.T-GW1J.72N-11157334

ambient conditions

operating temperature	-25 ... +60 °C
protection class	IP 67

beam characteristic (typically)



Retro-reflective sensors

O300.RP.T-GW1J.72N-11157334

excess gain curves

