

overview

- intensity difference
- 20 ... 600 mm
- pulsed red LED
- push-pull
- qTeach
- 25 ... 60 °C
- IP 67



Picture similar



Technical data

general data	
type	intensity difference
light source	pulsed red LED
sensing distance Tw	20 ... 600 mm
power on indication	LED green
light indicator	LED yellow
sensing distance adjust-ment	qTeach
wave length	630 nm
suppression of reciprocal influence	yes
alignment optical axis	< 1°
electrical data	
response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	40 mA
current consumption typ.	30 mA

electrical data	
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	18 mm
height / length	45 mm
depth	32 mm
type	rectangular
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	connector M12 4 pin
ambient conditions	
operating temperature	-25 ... +60 °C
protection class	IP 67

remarks

- qTeach

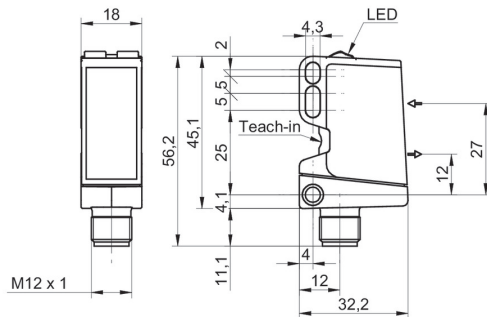
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O500.ZR-GW1T.72O

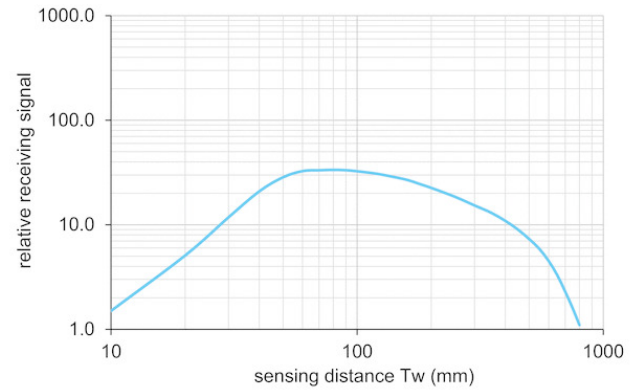
Diffuse sensors with intensity difference - for longer ranges

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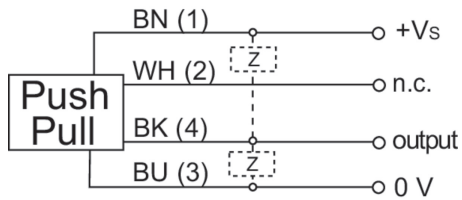
dimension drawing



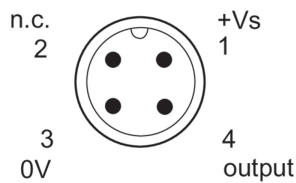
relative receiving signal



connection diagram



pin assignment



beam characteristic (typically)

