

Overview

- Reliable intensity-based object detection
- qTeach - tamper-proof, simple teach-in with ferromagnetic tool
- Quick mounting by means of M3 threaded bushes made of stainless steel



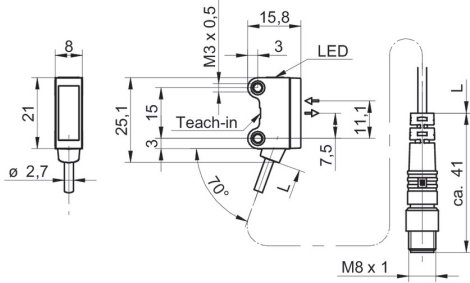
Picture similar



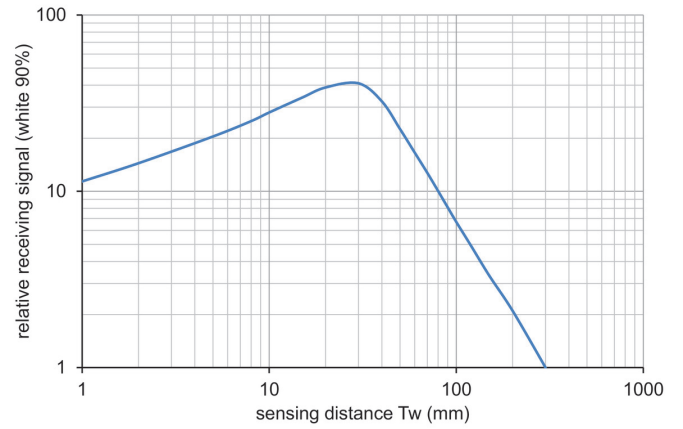
Technical data

General data		Electrical data	
Type	Intensity difference	Current consumption max. (no load)	40 mA (@ 10 VDC)
Sensing distance Tw	20 ... 200 mm	Current consumption typ.	16 mA (@ 24 VDC)
Smallest object recognizable typ.	2 mm at 100 mm	Voltage drop Vd	<2 VDC
Power on indication	LED green	Output function	Light / dark operate
Alignment / soiled lens indicator	Flashing output indicator	Output circuit	PNP complementary
Output indicator	LED yellow	Output current	50 mA
Sensing distance adjustment	qTeach	Short circuit protection	Yes
Suppression of reciprocal influence	Yes	Reverse polarity protection	Yes
Beam type	Point	Mechanical data	
Alignment optical axis	< 1,5°	Width / diameter	8 mm
Light Source		Height / length	25.1 mm
Light source	Pulsed red LED	Depth	15.8 mm
Wave length	644 nm	Design	Rectangular
Electrical data		Mechanical mounting	Threaded sleeves M3 (stainless steel)
Response time / release time	< 0.25 ms	Housing material	Plastic (ASA, PMMA)
Jitter	< 0.06 ms	Front (optics)	PMMA
Voltage supply range +Vs	10 ... 30 VDC	Connection types	Flylead connector M8 4 pin, L=200 mm
		Cable characteristics	PVC / PVC 4 x 0.08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

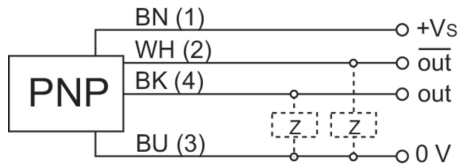
Dimension drawing



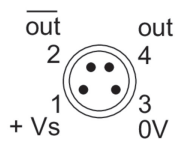
Relative receiving signal



Connection diagram



Pin assignment



Beam characteristic (typically)

