

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



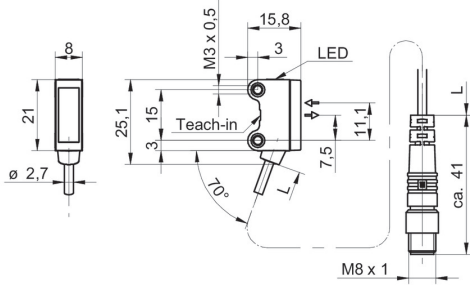
Picture similar



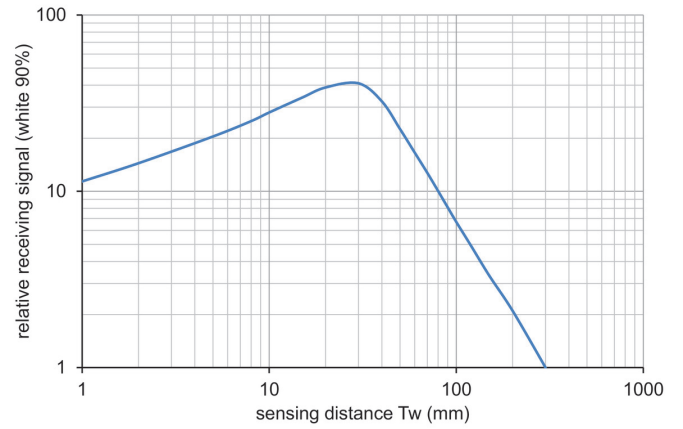
Technical data

General data		Electrical data	
Type	Intensity difference	Current consumption typ.	16 mA (@ 24 VDC)
Light source	Pulsed red LED	Voltage drop Vd	< 2 VDC
Sensing distance Tw	20 ... 200 mm	Output function	Light / dark operate
Smallest object recognizable typ.	2 mm at 100 mm	Output circuit	NPN complementary
Alignment / soiled lens indicator	Flashing output indicator	Output current	< 50 mA
Power on indication	LED green	Short circuit protection	Yes
Output indicator	LED yellow	Reverse polarity protection	Yes
Sensing distance adjustment	qTeach	Mechanical data	
Wave length	644 nm	Width / diameter	8 mm
Suppression of reciprocal influence	Yes	Height / length	25,1 mm
Beam type	Point	Depth	15,8 mm
Alignment optical axis	< 1,5°	Type	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
Current consumption max. (no load)	40 mA (@ 10 VDC)	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

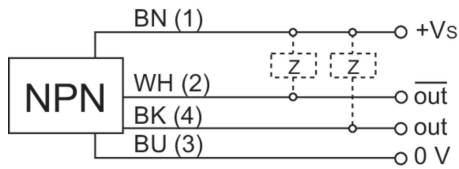
Dimension drawing



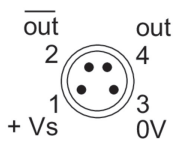
Relative receiving signal



Connection diagram



Pin assignment



Beam characteristic (typically)

