

O200.TL-GZZY.72NV/FIN2_H006

Through beam sensors - miniature

Article number: 11230777

overview

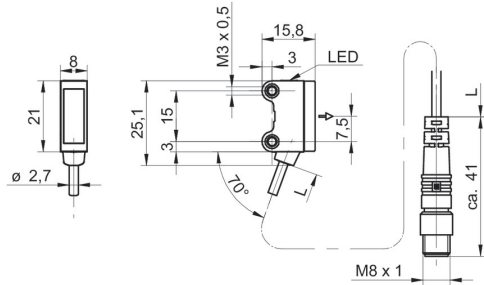
- Most secure object detection due to the barrier principle
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for extended parameterization options and additional diagnostic data
- Robust housing with stainless steel spacer sleeves



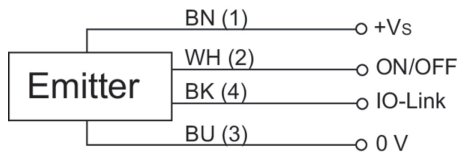
Technical data

general data		communication interface	
type	through beam sensor	baud rate	230,4 kBaud (COM 3)
emitter / receiver	emitter	IO-Link port type	Class A
light source	pulsed red laser diode	process data length	8 Bit
actual range Sb	5 m	process data structure	Bit 3 = alarm
nominal range Sn	6 m	interface	IO-Link V1.1
power on indication	LED green	additional data	device temperature
laser class	1	cycle time	≥ 0,6 ms
distance to focus	parallel beam	mechanical data	
wave length	680 nm	width / diameter	8 mm
alignment optical axis	< 1,5°	height / length	25,1 mm
electrical data		depth	15,8 mm
voltage supply range +Vs	10 ... 30 VDC	type	rectangular
current consumption max. (no load)	20 mA (@ 10 VDC)	mechanical mounting	threaded sleeves M3 (stainless steel)
current consumption typ.	10 mA (@ 24 VDC)	housing material	plastic (ASA, PMMA)
output function	by IO-Link only	front (optics)	PMMA
output circuit	push-pull	connection types	flylead connector M8 4 pin, L=200 mm
short circuit protection	yes	cable characteristics	PVC / PVC 4 x 0,08 mm²
reverse polarity protection	yes	ambient conditions	
		operating temperature	-20 ... +50 °C
		protection class	IP 67

dimension drawing



connection diagram

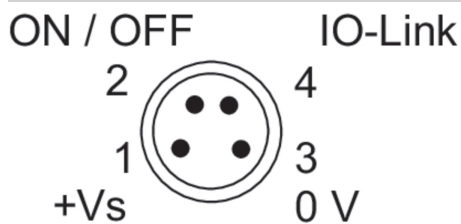


laser warning

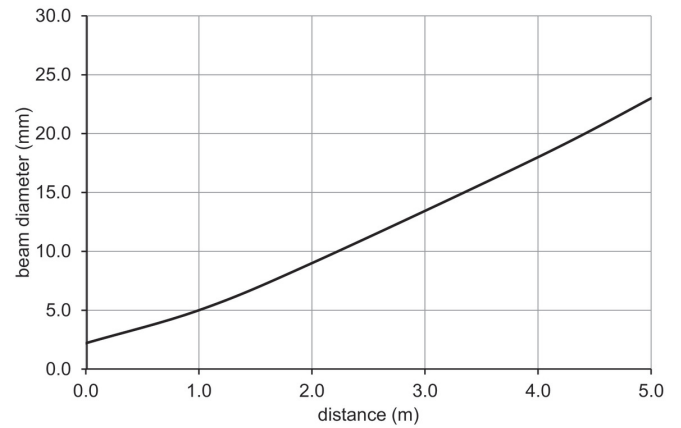
**CLASS 1 LASER
PRODUCT**

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to laser
notice No. 50, dated June 24, 2007

pin assignment



beam characteristic (typically)



excess gain curve

