

Diffuse sensors with intensity difference

O200.ZR-GW1J.72NV/E026_H006

Article number: 11231264

overview

- Reliable intensity-based object detection
- •
- Manipulation-proof, simple teach-in via qTeach or line teach IO-Link for extended parameterization options and additional dia-. gnostic data
- Quick mounting by means of M3 threaded bushes made of stainless steel





Technical data			
general data		electrical data	
type	intensity difference	output circuit	push-pull
light source	pulsed red LED	output current	< 50 mA
sensing distance Tw	20 200 mm	short circuit protection	yes
smallest object recogniz-	2 mm at 100 mm	reverse polarity protection	yes
able typ.		communication interface	
alignment / soiled lens in- dicator	flashing output indicator	baud rate	230,4 kBaud (COM 3) switching point
power on indication	LED green		time filters LED status indicators output logic counter deactivate the sensor element Find Me function Teach-in mode
output indicator	LED yellow		
sensing distance adjust- ment	Teach-in and IO-Link		
wave length	644 nm		
suppression of reciprocal influence	yes		
beam type	point	IO-Link port type	Class A
alignment optical axis	< 1,5°	process data length	32 Bit
electrical data		process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality
response time / release time	< 0,25 ms		Bit 3 = alarm Bit 5 = SSC4 (counter)
jitter	< 0,06 ms		Bit 16-31 = 16 Bit measurement
voltage supply range +Vs	10 30 VDC	interface	IO-Link V1.1
current consumption max. (no load)	40 mA (@ 10 VDC)	additional data	signal strength excess gain
current consumption typ.	16 mA (@ 24 VDC)		operating cycles device temperature
voltage drop Vd	< 2 VDC	cycle time	≥ 0,6 ms
output function	light / dark operate		



Diffuse sensors with intensity difference

O200.ZR-GW1J.72NV/E026_H006

Article number: 11231264

Technical data

mechanical data			
width / diameter	8 mm		
height / length	25,1 mm		
depth	15,8 mm		
type	rectangular		
mechanical mounting	threaded sleeves M3 (stainless steel)		
housing material	plastic (ASA, PMMA)		

dimension drawing



connection diagram



pin assignment



mechanical data front (optics) PMMA connection types flylead connector M8 4 pin, L=200 mm cable characteristics PVC / PVC 4 x 0,08 mm² ambient conditions operating temperature operating temperature -25 ... +50 °C protection class IP 67

beam characteristic (typically)



