

O200.EL-GW2I.72CV/A014_FREQ

Through beam sensors - miniature

Article number: 11230906

overview

- Most secure object detection due to the barrier principle
- IO-Link interface independent of the switching output (Dual Channel)
- Extended parameterization options and additional diagnostic data
- Robust housing with stainless steel spacer sleeves



Picture similar



Technical data

general data		electrical data	
type	through beam sensor	output function	light / dark operate
version	IO-Link dual channel	output circuit	push-pull
emitter / receiver	receiver	output current	< 50 mA
light source	use with pulsed red laser diode	short circuit protection	yes
actual range Sb	5 m	reverse polarity protection	yes
nominal range Sn	6 m	communication interface	
smallest object recognizable typ.	3 mm (0,5 mm with aperture)	baud rate	38,4 kBaud (COM 2)
alignment / soiled lens indicator	flashing output indicator	adjustable parameters	switching point time filters LED status indicators output logic output circuit counter deactivate the sensor element Find Me function Teach-in mode
output indicator	LED yellow	IO-Link port type	Class A
power on indication	LED green	process data length	32 Bit
sensitivity adjustment	IO-Link	process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
suppression of reciprocal influence	yes	interface	IO-Link V1.1
electrical data			
response time / release time	< 0,1 ms < 0,12 ms		
jitter	< 0,03 ms < 0,05 ms		
voltage supply range +Vs	10 ... 30 VDC		
current consumption max. (no load)	20 mA (@ 10 VDC)		
current consumption typ.	10 mA (@ 24 VDC)		
voltage drop Vd	< 2 VDC		

Technical data

communication interface

additional data	signal strength excess gain operating cycles device temperature
cycle time	≥ 2,7 ms

mechanical data

width / diameter	8 mm
height / length	25,1 mm
depth	14,1 mm
type	rectangular

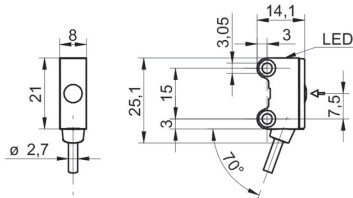
mechanical data

mechanical mounting	sleeve smooth (stainless steel)
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	cable 4 pin, 2 m
cable characteristics	PVC / PVC 4 x 0,08 mm ²

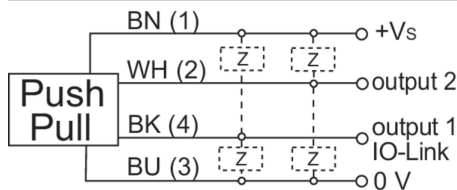
ambient conditions

operating temperature	-25 ... +50 °C
protection class	IP 67

dimension drawing



connection diagram



excess gain curve

