O200.RL.T-GW1J.72CV/FIN1_H006

Article number: 11230783

Overview

- Extended functional reserve capacities for maximum reliability
- Long-term stable detection of transparent objects thanks to compensation of environmental influences
- Parallel laser beam for uniform detection over the measuring range
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for extended parameterization options and additional dia-
- Quick mounting by means of M3 threaded bushes made of stainless



Picture similar







Technical data		
General data		
Туре	Retro-reflective sensor	
Version	Transparency object detection	
Light source	Pulsed red laser diode	
Actual range Sb	0.8 m	
Nominal range Sn	1.2 m	
Polarization filter	Yes	
Minimal signal attenuation	5 %	
Alignment / soiled lens in- dicator	Flashing output indicator	
Output indicator	LED yellow	
Power on indication	LED green	
Sensitivity adjustment	Teach-in and IO-Link	
Laser class	1	
Distance to focus	Parallel beam	
Wave length	680 nm	
Suppression of reciprocal influence	Yes	
Alignment optical axis	< 1,5°	
Electrical data		
Response time / release time	< 0.25 ms	
Jitter	< 0.06 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	
Output function	Light / dark operate	
Output circuit	Push-pull	
Output current	50 mA	

Electrical data	
Short circuit protection	Yes
Reverse polarity protection	Yes
Communication interface	
Baud rate	230,4 kBaud (COM 3)
Adjustable parameters	Switching point Switching hysteresis Time filters LED status indicators Output logic Counter Deactivate the sensor element Find Me function Teach-in mode Background tracking
IO-Link port type	Class A
Process data length	32 Bit
Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Interface	IO-Link V1.1
Additional data	Signal attenuation Excess gain Operating cycles Device temperature
Cycle time	≥ 0.6 ms
Mechanical data	
Width / diameter	8 mm
Height / length	25.1 mm
Depth	15.8 mm
Design	Rectangular
Mechanical mounting	Threaded sleeves M3 (stainless steel)

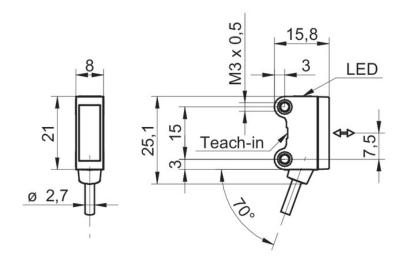


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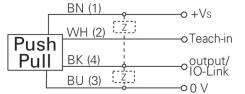
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Technical data			
Mechanical data		Ambient conditions	
Housing material	Plastic (ASA, PMMA)	Operating temperature	-20 +50 °C
Front (optics)	PMMA	Protection class	IP 67
Connection types	Cable 4 pin, 2 m		
Cable characteristics	PVC / PVC 4 x 0.08 mm ²		

Technical drawings



Connection diagram

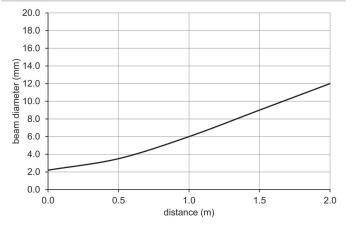


Laser warning

CLASS 1 LASER PRODUCT

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019

Beam characteristic (typically)



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