O200.GL-GW1J.72CV/F160_H006_B005

Article number: 11230967

overview

- Outstanding reliability and unrivalled immunity against ambient light
- Extra range best-in-class
- 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









Technical data	
general data	
type	background suppression
light source	pulsed red laser diode
sensing distance Tw	20 175 mm
sensing range Tb	3 192 mm
smallest object recogniz- able typ.	0,5 mm at 100 mm
alignment / soiled lens in- dicator	flashing output indicator
power on indication	LED green
output indicator	LED yellow
sensing distance adjust- ment	Teach-in and IO-Link
laser class	1
distance to focus	160 mm
wave length	680 nm
suppression of reciprocal influence	yes
beam type	point
alignment optical axis	< 1,5°
electrical data	
response time / release time	≤ 0,25 ms (High Speed Mode)
jitter	≤ 0,06 ms (High Speed Mode)
voltage supply range +Vs	10 30 VDC
current consumption max. (no load)	20 mA (@ 10 VDC)

electrical data	
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
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 operation mode deactivate the sensor element Find Me function Teach-in mode
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



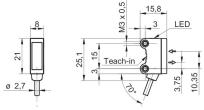
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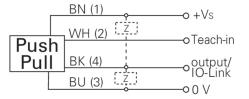
Technical data	
communication interface	
additional data	excess gain operating cycles device temperature
cycle time	≥ 0,6 ms
mechanical data	
width / diameter	8 mm
height / length	25,1 mm
depth	15,8 mm
type	rectangular

mechanical data	
mechanical mounting	threaded sleeves M3 (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	-20 +50 °C
protection class	IP 67

dimension drawing



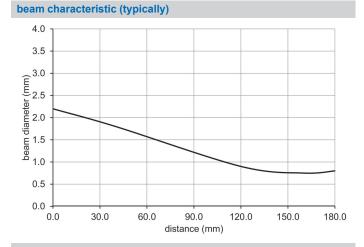
connection diagram

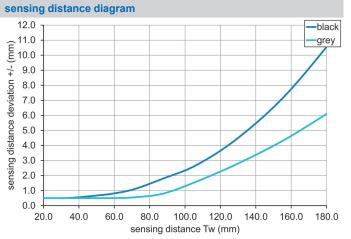


laser warning

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





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