O200.ER-PV1Z.72NV/H006

Through beam sensors - miniature Article number: 11212647

Overview

- Most secure object detection due to the barrier principle
- Fixed preset for the simplest commissioning
- Quick mounting by means of M3 threaded bushes made of stainless



Picture similar



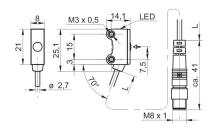


Technical data	
General data	
Туре	Through beam sensor
Emitter / receiver	Receiver
Actual range Sb	5 m
Nominal range Sn	6 m
Smallest object recognizable typ.	5 mm (0,5 mm with aperture)
Alignment / soiled lens in- dicator	Flashing output indicator
Output indicator	LED yellow
Power on indication	LED green
Sensitivity adjustment	No
Suppression of reciprocal influence	Yes
Electrical data	
Response time / release time	< 0,5 ms
Voltage supply range +Vs	10 30 VDC
Current consumption max. (no load)	20 mA (@ 30 VDC)
Current consumption typ.	16 mA (@ 24 VDC)

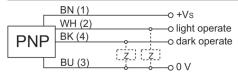
Electrical data	
Voltage drop Vd	< 2 VDC
Output function	Light / dark operate
Output circuit	PNP complementary
Output current	< 50 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	8 mm
Height / length	25,1 mm
Depth	14,1 mm
Туре	Rectangular
Mechanical mounting	Threaded sleeves M3 (stainless steel)
Housing material	Plastic (ASA, PMMA)
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	-25 +50 °C
Protection class	IP 67

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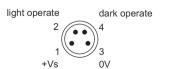
Dimension drawing



Connection diagram



Pin assignment



Excess gain curve 100 aperture 0.5 mm without aperture aperture 1 mm aperture 1.5 mm aperture 2.0 mm slot aperture horizontal slot aperture vertical excess gain 10

range (m)

0.1

10

0.01