

O200.GR.F-PV1Z.72NV/BX15

Diffuse sensors with background suppression - miniature

Article number: 11210938

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- V-optics for detection of shiny or transparent objects
- Reproducible and color-independent switching distances
- Fixed preset for the simplest commissioning
- Robust housing with stainless steel spacer sleeves



Picture similar



Technical data

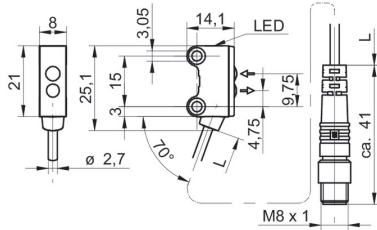
General data		Electrical data	
Type	Background suppression	Current consumption typ.	16 mA (@ 24 VDC)
Version	Fixed focus	Voltage drop Vd	< 2 VDC
Light source	Pulsed red LED	Output function	Light / dark operate
Sensing distance Tw	15 mm	Output circuit	PNP complementary
Sensing range Tb	3 ... 15 mm	Output current	< 50 mA
Smallest object recognizable typ.	0,05 mm at 10 mm	Short circuit protection	Yes
Alignment / soiled lens indicator	Flashing output indicator	Reverse polarity protection	Yes
Power on indication	LED green	Mechanical data	
Output indicator	LED yellow	Width / diameter	8 mm
Sensing distance adjustment	No	Height / length	25,1 mm
Wave length	644 nm	Depth	14,1 mm
Suppression of reciprocal influence	Yes	Type	Rectangular
Alignment optical axis	< 1,5°	Mechanical mounting	Sleeve smooth (stainless steel)
Electrical data		Housing material	Plastic (ASA, PMMA)
Response time / release time	< 1 ms	Front (optics)	PMMA
Voltage supply range +Vs	10 ... 30 VDC	Connection types	Flylead connector M8 4 pin, L=200 mm
Current consumption max. (no load)	20 mA (@ 30 VDC)	Cable characteristics	PVC / PVC 4 x 0,08 mm ²
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +50 °C

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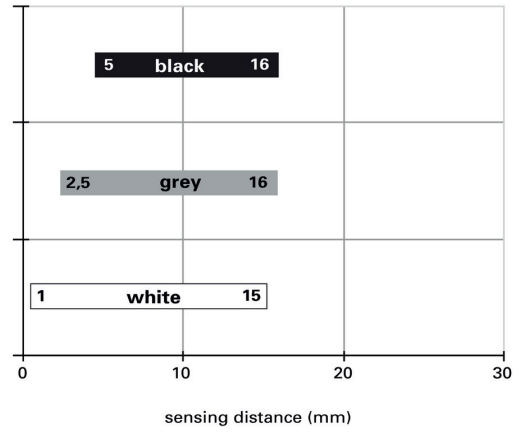
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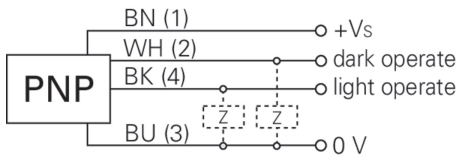
Dimension drawing



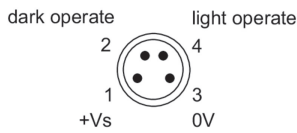
Sensing distance diagram



Connection diagram



Pin assignment



Beam characteristic (typically)

