Baumer
Passion for Sensors

Diffuse sensors with background suppression

FHDM 12P5001

Diffuse sensors with background suppression - miniature

Article number: 10234166

Overview

- background suppression
- 15 … 300 mm
- pulsed red LED
- PNP
- mechanical, 5 turn
- cable 4 pin, 2 m
- -25 … 65 °C
- IP 67

Picture similar

Technical data

General data	
Type	Background suppression
Light source	Pulsed red LED
Sensing distance Tw	15 … 300 mm
Sensing range Tb (at Tw max.)	15 … 300 mm
Sensing range Tb (at Tw min.)	5 … 15 mm
Light indicator	LED yellow
Sensing distance adjustment	Mechanical, 5 turn
Wave length	660 nm
Suppression of reciprocal influence	Yes
Electrical data	
Response time / release time	< 1 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	35 mA

Electrical data	
Current consumption typ.	25 mA
Voltage drop Vd	< 1.8 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	12.4 mm
Height / length	35 mm
Depth	35 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	PMMA
Connection types	Cable 4 pin, 2 m
Ambient conditions	
Protection class	IP 67
Operating temperature	-25 … +65 °C

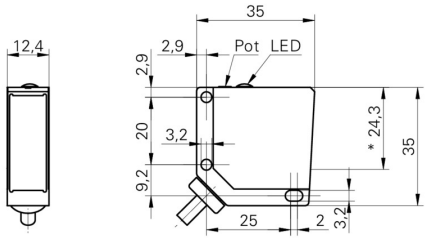
2022-11-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

FHDM 12P5001

Diffuse sensors with background suppression - miniature

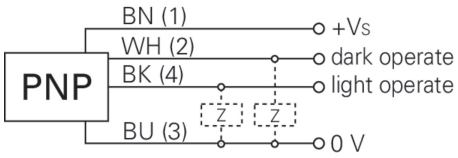
Article number: 10234166

Dimension drawing



- * emitter axis

Connection diagram



2022-11-10 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.