

FHDM 12N5001

Diffuse sensors with background suppression - miniature

Article number: 10234165

Overview

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



Picture similar



Technical data

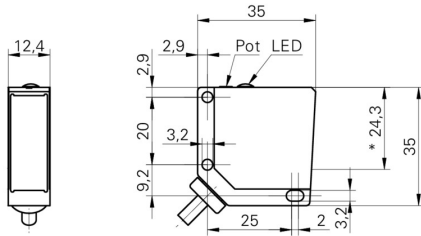
General data		Electrical data	
Type	Background suppression	Current consumption typ.	25 mA
Light source	Pulsed red LED	Voltage drop Vd	< 1.8 VDC
Sensing distance Tw	15 ... 300 mm	Output function	Light / dark operate
Sensing range Tb (at Tw max.)	15 ... 300 mm	Output circuit	NPN
Sensing range Tb (at Tw min.)	5 ... 15 mm	Output current	< 100 mA
Light indicator	LED yellow	Short circuit protection	Yes
Sensing distance adjustment	Mechanical, 5 turn	Reverse polarity protection	Yes
Wave length	660 nm	Mechanical data	
Suppression of reciprocal influence	Yes	Width / diameter	12.4 mm
Electrical data		Height / length	35 mm
Response time / release time	< 1 ms	Depth	35 mm
Voltage supply range +Vs	10 ... 30 VDC	Type	Rectangular
Current consumption max. (no load)	35 mA	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

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Dimension drawing



- * emitter axis

Connection diagram

