

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

Type	Background suppression
Light source	Pulsed red LED
Sensing distance T_w	15 ... 300 mm
Sensing range T_b (at T_w max.)	15 ... 300 mm
Sensing range T_b (at T_w 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 V_d	< 1.8 VDC
Output function	Light / dark operate
Output circuit	NPN
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

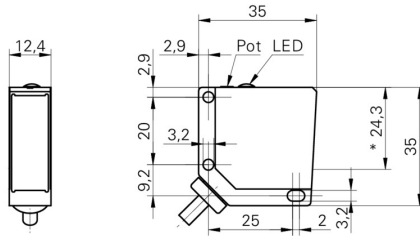
Protection class	IP 67
Operating temperature	-25 ... +65 °C

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Dimension drawing



- * emitter axis

Connection diagram

