

FHDM 12P5003/S35A

Diffuse sensors with background suppression - miniature

Article number: 10120283

Overview

- Increased ambient light safety
- background suppression
- 15 ... 300 mm
- pulsed red LED
- PNP
- mechanical, 5 turn
- connector M8 4 pin
- -25 ... 65 °C
- IP 67



Picture similar



Technical data

General data

Type	Background suppression
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
Suppression of reciprocal influence	Yes

Light Source

Light source	Pulsed red LED
Wave length	660 nm

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
Design	Rectangular
Housing material	Die-cast zinc
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions

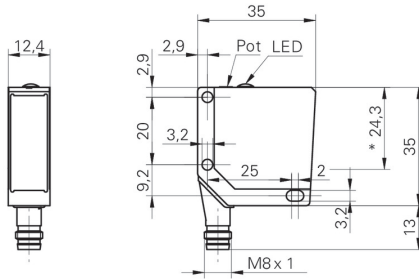
Protection class	IP 67
Operating temperature	-25 ... +65 °C

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Dimension drawing



Connection diagram

