Diffuse sensors with background suppression

FHDM 16P5004/S14

Diffuse sensors with background suppression - standard

Article number: 10161124

Overview

- background suppression
- 20 … 600 mm
- pulsed red LED
- PNP
- mechanical, 5 turn
- connector M12 4 pin
- -25 … 65 °C
- IP 67

Picture similar

Technical data

General data	
Type	Background suppression
Light source	Pulsed red LED
Sensing distance Tw	20 … 600 mm
Sensing range Tb (at Tw max.)	20 … 600 mm
Sensing range Tb (at Tw min.)	5 … 20 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	< 5 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	41 mA

Electrical data	
Current consumption typ.	29 mA
Voltage drop Vd	< 1.8 VDC
Output function	Light / dark operate
Output circuit	PNP
Output current	< 200 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	15.4 mm
Height / length	50 mm
Depth	50 mm
Type	Rectangular
Housing material	Die-cast zinc
Front (optics)	PMMA
Connection types	Connector M12 4 pin
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.

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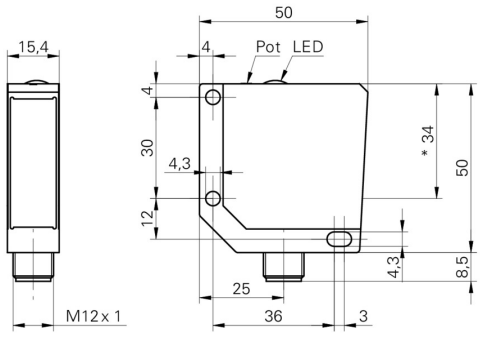
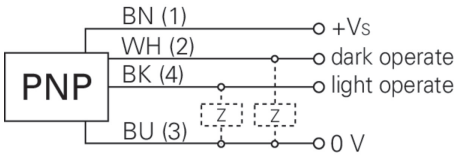
Dimension drawing



- * emitter axis

Connection diagram



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