

## FHDM 16N5004

Diffuse sensors with background suppression - standard

Article number: 10161126

### Overview

- background suppression
- 20 ... 600 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 $T_w$	20 ... 600 mm
Sensing range $T_b$ (at $T_w$ max.)	20 ... 600 mm
Sensing range $T_b$ (at $T_w$ 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 $V_d$	< 1.8 VDC
Output function	Light / dark operate
Output circuit	NPN
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	Cable 4 pin, 2 m

#### Ambient conditions

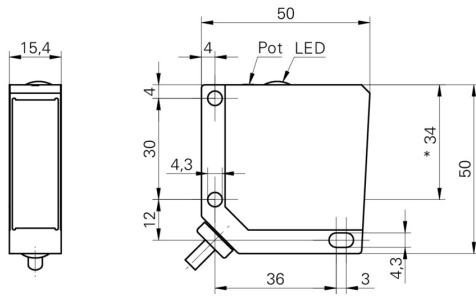
Protection class	IP 67
Operating temperature	-25 ... +65 °C

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## Dimension drawing



- \* emitter axis

## Connection diagram

