

FHDK 14N5101/S14

Diffuse sensors with background suppression - standard

Article number: 11001034

Overview

- background suppression
- 20 ... 350 mm
- pulsed red LED
- NPN
- mechanical, 10 turn
- connector M12 4 pin
- -25 ... 65 °C
- IP 67



Picture similar



Technical data

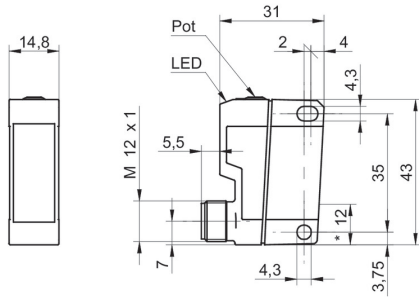
General data		Electrical data	
Type	Background suppression	Current consumption typ.	25 mA
Light source	Pulsed red LED	Voltage drop V _d	< 1.8 VDC
Sensing distance T _w	20 ... 350 mm	Output function	Light / dark operate
Sensing range T _b (at T _w max.)	20 ... 350 mm	Output circuit	NPN
Sensing range T _b (at T _w min.)	5 ... 20 mm	Output current	< 100 mA
Alignment / soiled lens indicator	Flashing light indicator	Short circuit protection	Yes
Light indicator	LED yellow	Reverse polarity protection	Yes
Sensing distance adjustment	Mechanical, 10 turn	Mechanical data	
Wave length	660 nm	Width / diameter	14.8 mm
Suppression of reciprocal influence	Yes	Height / length	43 mm
Electrical data		Depth	31 mm
Response time / release time	< 1 ms	Type	Rectangular
Voltage supply range +V _s	10 ... 30 VDC	Housing material	Plastic (ASA, MABS)
Current consumption max. (no load)	30 mA	Front (optics)	PMMA
		Connection types	Connector M12 4 pin
		Ambient conditions	
		Protection class	IP 67
		Operating temperature	-25 ... +65 °C

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Dimension drawing



- * emitter axis

Connection diagram

