

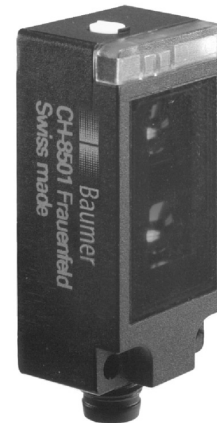
FHDK 20N6901/S35A

Diffuse sensors with background suppression - standard

Article number: 10150001

Overview

- background suppression
- 30 ... 200 mm
- pulsed red LED
- NPN
- Teach-in
- connector M8 4 pin
- -25 ... 65 °C
- IP 67



Picture similar



Technical data

General data

Type	Background suppression
Light source	Pulsed red LED
Sensing distance Tw	30 ... 200 mm
Sensing range Tb (at Tw max.)	2 ... 200 mm
Sensing range Tb (at Tw min.)	12 ... 30 mm
Alignment / soiled lens indicator	Flashing light indicator
Light indicator	LED green
Output indicator	LED yellow
Sensing distance adjustment	Teach-in
Wave length	660 nm
Suppression of reciprocal influence	Yes

Electrical data

Response time / release time	< 0.5 ms
Voltage supply range +Vs	12 ... 30 VDC

Electrical data

Current consumption max. (no load)	48 mA
Current consumption typ.	28 mA
Voltage drop Vd	< 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	20 mm
Height / length	42 mm
Depth	15 mm
Type	Rectangular
Housing material	Plastic (PBT-ASA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions

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

Remarks

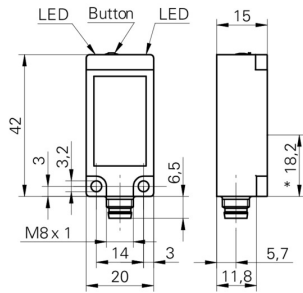
- Sensitivity adjustable: via Teach-in button or Teach-in wire input

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Dimension drawing



- * emitter axis

Connection diagram

