Baumer
Passion for Sensors

Diffuse sensors with background suppression

FHDH 14G6901

Diffuse sensors with background suppression - hygiene

Article number: 11096607

Overview

- background suppression
- 50 … 400 mm
- pulsed red LED
- push-pull
- Teach-in
- cable 4 pin, 2 m
- -30 … 60 °C
- IP 68/69K & proTect+



Picture similar

Technical data

General data	
Type	Background suppression
Special type	Hygienic design
Light source	Pulsed red LED
Sensing distance Tw	50 … 400 mm
Sensing range Tb (at Tw max.)	20 … 400 mm
Sensing range Tb (at Tw min.)	20 … 50 mm
Power on indication	LED green
Output indicator	LED red
Sensing distance adjustment	Teach-in
Wave length	660 nm
Approvals/certificates	Ecolab EHEDG
Electrical data	
Response time / release time	< 1,8 ms
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	40 mA

Electrical data	
Current consumption typ.	35 mA
Voltage drop Vd	< 2 VDC
Output function	Light / dark operate
Output circuit	Push-pull
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Width / diameter	19,6 mm
Height / length	52,2 mm
Depth	34,3 mm
Type	Rectangular
Housing material	Stainless steel 1.4404 (V4A)
Front (optics)	PMMA
Connection types	Cable 4 pin, 2 m
Ambient conditions	
Protection class	IP 68/69K & proTect+
Operating temperature	-30 … +60 °C
Storage temperature	-30 … +70 °C

Remarks

- Sensor FDA compliant, EHEDG certified and Ecolab approved
- Sensitivity adjustable: via Teach-in wire input

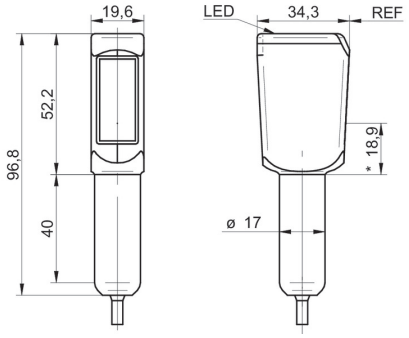
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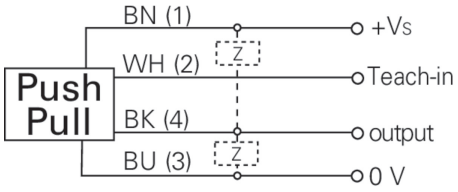
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Dimension drawing



- * emitter axis

Connection diagram



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