

OHDM 13N6901/S35A

Diffuse sensors with background suppression - miniature

Article number: 10162724

Overview

- background suppression
- 50 ... 550 mm
- pulsed red laser diode
- NPN
- Teach-in
- connector M8 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

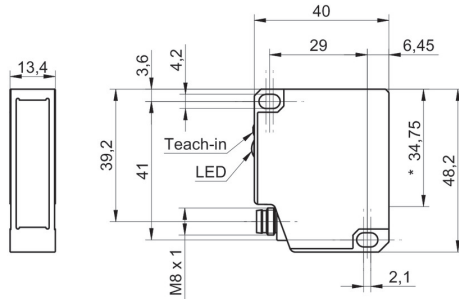
| General data | | Electrical data | |
|------------------------------------|------------------------|-----------------------------|----------------------|
| Type | Background suppression | Current consumption typ. | 40 mA |
| Light source | Pulsed red laser diode | Voltage drop Vd | < 2,8 VDC |
| Sensing distance Tw | 50 ... 550 mm | Output function | Light / dark operate |
| Sensing range Tb (at Tw max.) | 50 ... 550 mm | Output circuit | NPN |
| Sensing range Tb (at Tw min.) | 16 ... 17 mm | Output current | < 100 mA |
| Power on indication | LED green | Short circuit protection | Yes |
| Light indicator | LED red | Reverse polarity protection | Yes, Vs to GND |
| Sensing distance adjustment | Teach-in | Mechanical data | |
| Laser class | 2 | Width / diameter | 13,4 mm |
| Wave length | 675 nm | Height / length | 48,2 mm |
| Beam diameter | 1 mm | Depth | 40 mm |
| Beam type | Point | Type | Rectangular |
| Electrical data | | Housing material | Aluminum |
| Response time | < 5 ms | Front (optics) | Glass |
| Release time | < 15 ms | Connection types | Connector M8 4 pin |
| Voltage supply range +Vs | 12 ... 28 VDC | Ambient conditions | |
| Current consumption max. (no load) | 80 mA | Operating temperature | 0 ... +50 °C |
| | | Protection class | IP 67 |

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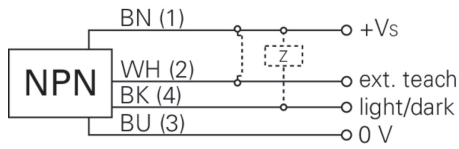
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Dimension drawing



Connection diagram



Laser warning



LASER RADIATION
DO NOT STARE INTO BEAM
Wavelength: 640...670nm
IEC 60825-1, Ed. 3, 2014
CLASS 2 LASER PRODUCT

IEC 60825-1/2014 Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019