# OBDM 12N6940/S35A

Difference sensors

Article number: 10158756

## Overview

- window analysis
- 16 … 120 mm
- pulsed red laser diode
- NPN
- Teach-in
- connector M8 4 pin
- 50 °C
- IP 67




*Picture similar*

## Technical data

| General data | |
|---|---|
| Type | Window analysis |
| Sensing distance Tw | 16 … 120 mm |
| Teach-in range min. | > 0.4 mm |
| Adjustment | Teach-in |
| Power on indication | LED green |
| Output indicator | LED red |
| Light source | Pulsed red laser diode |
| Laser class | 2 |
| Wave length | 650 nm |
| Beam diameter | 0.5 … 0.2 mm |
| **Electrical data** | |
| Response time | < 1 ms |
| Voltage supply range +Vs | 12 … 28 VDC |
| Current consumption max. (no load) | 80 mA |
| Current consumption typ. | 40 mA |

| Electrical data | |
|---|---|
| Output circuit | NPN |
| Output current | < 100 mA |
| Voltage drop Vd | < 2.8 VDC |
| Reverse polarity protection | Yes, Vs to GND |
| Short circuit protection | Yes |
| **Mechanical data** | |
| Width / diameter | 12.4 mm |
| Height / length | 37 mm |
| Depth | 34.5 mm |
| Type | Rectangular |
| Front (optics) | Glass |
| Housing material | Die-cast zinc |
| Connection types | Connector M8 4 pin |
| **Ambient conditions** | |
| Operating temperature | 0 … +50 °C |
| Protection class | IP 67 |

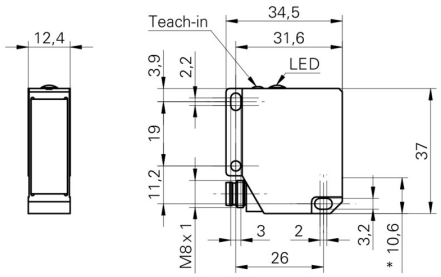
2022-01-25 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

# OBDM 12N6940/S35A

Difference sensors

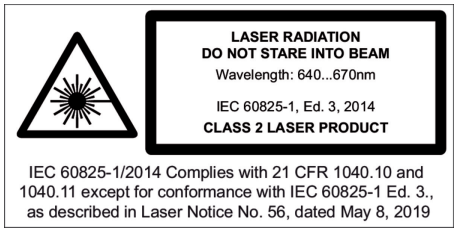
Article number: 10158756

## Dimension drawing

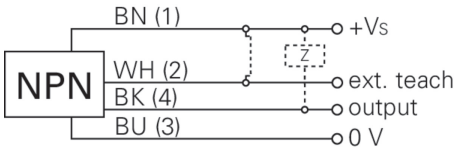



- * emitter axis

## Laser warning




## Connection diagram




2022-01-25 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.