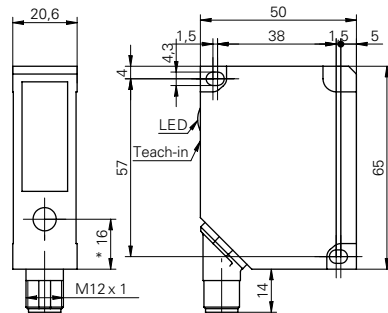


# Distance sensors

## OADM 20I2472/S14C

### dimension drawing



\* emitter axis

### general data

|                       |                             |
|-----------------------|-----------------------------|
| measuring distance Sd | 50 ... 300 mm               |
| adjustment            | Teach-in: button / external |
| Teach-in range min.   | > 5 mm                      |
| power on indication   | LED green                   |
| soiled lens indicator | LED red                     |
| resolution            | 0,01 ... 0,33 mm            |
| linearity error       | ± 0,03 ... ± 1 mm           |
| light source          | pulsed red laser diode      |
| wave length           | 650 nm                      |
| laser class           | 2                           |
| beam type             | point                       |
| beam diameter         | 2 mm                        |

### electrical data

|                                    |                        |
|------------------------------------|------------------------|
| response time / release time       | < 0,9 ms               |
| voltage supply range +Vs           | 12 ... 28 VDC          |
| current consumption max. (no load) | 100 mA                 |
| output circuit                     | analog                 |
| output signal                      | 4 ... 20 mA            |
| load resistance (analog I)         | < (+Vs - 6 V) / 0,02 A |
| short circuit protection           | yes                    |
| reverse polarity protection        | yes, Vs to GND         |

### mechanical data

|                  |                                |
|------------------|--------------------------------|
| width / diameter | 20,6 mm                        |
| height / length  | 65 mm                          |
| depth            | 50 mm                          |
| type             | rectangular                    |
| housing material | die-cast zinc                  |
| front (optics)   | glass                          |
| connection types | connector M12 5 pin, rotatable |

### ambient conditions

|                       |              |
|-----------------------|--------------|
| operating temperature | 0 ... +50 °C |
| protection class      | IP 67        |

### photo



### connection diagram



### laser warning



**LASER RADIATION**  
DO NOT STARE INTO BEAM  
Wavelength: 620 ... 680nm  
Max. av. Output: < 1mW  
IEC 60825-1, Ed. 2, 2007  
**CLASS 2 LASER PRODUCT**

Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007

