

Environmental conditions

| | |
|-------------------------|--|
| Ambient temperature | -5...55 °C |
| EN 60068-2-27, Shock | Half-sinus, 30 g _n , 11 ms, 3x6 |
| EN 60068-2-6, Vibration | 55 Hz, amplitude 1 mm, 3x30 min |
| IP rating | IP65 |

Interface

| | |
|---------------------------------------|---|
| Analog output | Analog, current 4...20 mA |
| Supplementary output | Error output PNP |
| Switch function, supplementary output | NO/NC |
| Switching output | PNP normally open/normally closed (NO/NC) |

Material

| | |
|--------------------------|---------------------|
| Housing material | Aluminium, Anodized |
| Material sensing surface | PMMA |
| Surface protection | Anodized |

Mechanical data

| | |
|---------------|--------------------|
| Dimension | 18 x 100 x 93.5 mm |
| Fork opening | 50 mm |
| Mounting part | Screw M5 |

Optical features

| | |
|--------------------------------|----------------------|
| Ambient light max. | 5000 Lux |
| Beam characteristic | Divergent |
| LED group per IEC 62471 | Exempt Group |
| Light beams, number | 10 |
| Light spot size | 3 x 28 mm Light exit |
| Light type | LED, red light |
| Principle of optical operation | Through-beam sensor |
| Special optical feature | Light array |
| Switching function, optical | dark-on/light-on |
| Wave length | 633 nm |

Range/Distance

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|------------------------------|-----------|
| Active length AL 1 | 28 mm |
| Hysteresis H max. | 0.4 mm |
| Repeat accuracy lateral max. | 150 µm |
| Resolution | ≤ 0.08 mm |

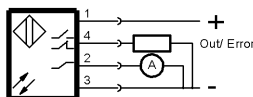
Remarks

For additional information, refer to user's guide.
 Order accessories separately.
 Do not press key using a pointed tool.
 Reference object (target): Steel plate, 50 x 50, thickness 0.5 mm, lateral approach.
 The sensor is functional again after the overload has been eliminated.

Connector Drawings



Wiring Diagrams (Schematic)



Opto Symbols

