

Basic features

| | |
|------------------------|-----------------------------|
| Approval/Conformity | CE cULus UKCA WEEE |
| Principle of operation | Photoelectric sensor |
| Style | Fork |

Electrical connection

| | |
|-----------------------------------|----------------|
| Connection | Connector, PVC |
| Polarity reversal protected | yes |
| Protection against device mix-ups | yes |
| Short-circuit protection | yes |

Electrical data

| | |
|----------------------------------|------------|
| Operating voltage U_b | 5...24 VDC |
| Rated operating current I_e | 50 mA |
| Rated operating voltage U_e DC | 24 V |
| Switching frequency | 1 kHz |

Environmental conditions

| | |
|---------------------|-------------|
| Ambient temperature | -25...55 °C |
| IP rating | IP65 |

Remarks

The sensor is functional again after the overload has been eliminated.
Order accessories separately.

Interface

| | |
|------------------|----------------------------------------------------|
| Switching output | NPN normally closed (NC) NPN normally open (NO) |
|------------------|----------------------------------------------------|

Material

| | |
|--------------------------|------|
| Housing material | PBT |
| Material jacket | PVC |
| Material sensing surface | PMMA |

Mechanical data

| | |
|---------------|--------------------------|
| Dimension | 13 x 13.7 x 21.3 mm |
| Fork opening | 5 mm |
| Mounting part | Through-hole 3.2 mm (2x) |

Optical features

| | |
|--------------------------------|---------------------|
| Light type | LED infrared |
| Principle of optical operation | Through-beam sensor |

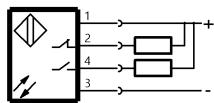
Range/Distance

| | |
|--------------------------------|---------|
| Hysteresis H max. | 0.05 mm |
| Range | 5 mm |
| Rated operating distance S_n | 5 mm |

Connector Drawings



Wiring Diagrams



Opto Symbols

