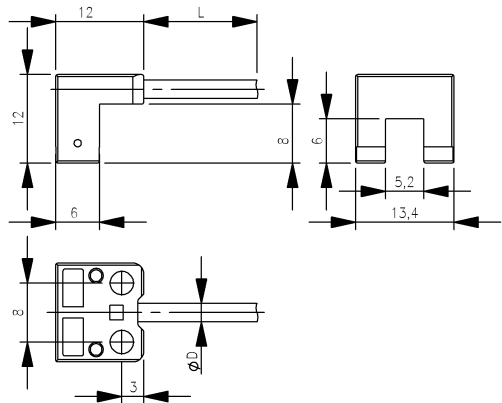




Basic features

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

Electrical connection

|                                   |                 |
|-----------------------------------|-----------------|
| Cable diameter D                  | 2.5 mm          |
| Cable length L                    | 1 m             |
| Connection                        | Cable, 1 m, PVC |
| Number of conductors              | 4               |
| Polarity reversal protected       | yes             |
| Protection against device mix-ups | yes             |
| Short-circuit protection          | yes             |

Electrical data

|                               |            |
|-------------------------------|------------|
| Operating voltage Ub          | 5...24 VDC |
| Rated operating current Ie    | 50 mA      |
| Rated operating voltage Ue 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)<br>NPN normally open (NO) |
|------------------|----------------------------------------------------|

Material

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

Mechanical data

|               |                          |
|---------------|--------------------------|
| Dimension     | 12 x 12 x 13.4 mm        |
| Fork opening  | 5 mm                     |
| Mounting part | Through-hole 3.2 mm (2x) |

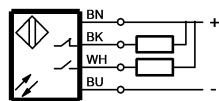
Optical features

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

Range/Distance

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

Wiring Diagrams



Opto Symbols

