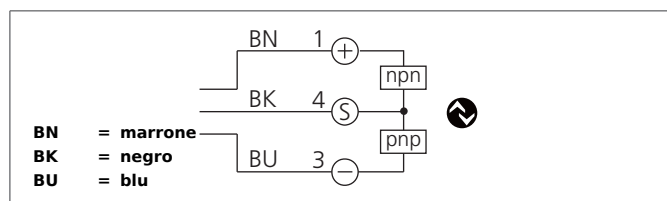


## **UGL 080 G3-T3**

### **Angled Light Barrier**

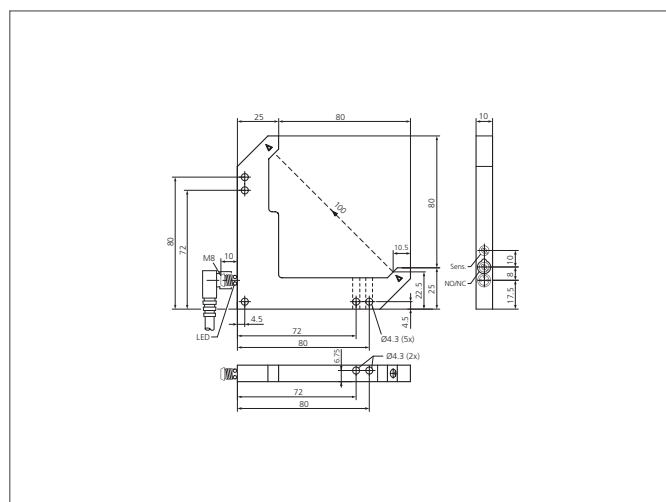
- IO-Link
- 4 operating modes as IO-link parameter
- On/off delay as IO-link parameter
- Diagnose via (by means of) IO-link
- Metal casing
- Integrated electronic module
- Sensitivity adjustable
- High operating frequency
- Light/dark switching
- Bright ring LED
- High protection class
- 5-year warranty



## Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



| TECHNICAL INFORMATION (typ.)   | +20°C, 24V DC                                       |
|--------------------------------|-----------------------------------------------------|
| Operating principle            | Optical                                             |
| Evaluation                     | digital                                             |
| Size                           | 105 x 105 x 10 mm (Dimensions)                      |
| Design                         | Angle                                               |
| Branch length inside           | 80/80 mm                                            |
| Emitted light                  | Infrared, 880 nm, clocked                           |
| Service voltage                | 10 ... 30 V DC (Supply Class 2)                     |
| No-load current                | < 30 mA                                             |
| Operating distance             | 100 mm (optical axis)                               |
| Resolution                     | Ø 0,3 mm (min. Ø 0,2 mm)                            |
| Sensitivity adjustment         | potentiometer                                       |
| Switching output               | Push pull, 100 mA, NO/NC, switchable                |
| Interface                      | IO-Link, V1.1, COM2 (38,4kBd), Smart Sensor Profile |
| Voltage drop                   | < 1,0 V                                             |
| Switching frequency            | 5000 Hz, (< 8000 Hz)                                |
| Reproducibility                | 0,02 mm                                             |
| Ambient temperature, operation | -25 ... +60 °C                                      |
| Ambient light immunity         | 25 kLx                                              |
| Insulation voltage endurance   | 500 V                                               |
| Protection class               | IP 67                                               |
| Protection degree              | III, operation on protective low voltage            |
| Casing material                | Die-cast zinc powder-coated                         |
| Material                       | Mineral glass (Optik)                               |

## OGL 080 G3-T3

### Angled Light Barrier



| TECHNICAL INFORMATION (typ.) |                                         |
|------------------------------|-----------------------------------------|
| Connection                   | +20°C, 24V DC<br>Connector, M8, 3-poled |
| Connecting cable             | TK ...                                  |