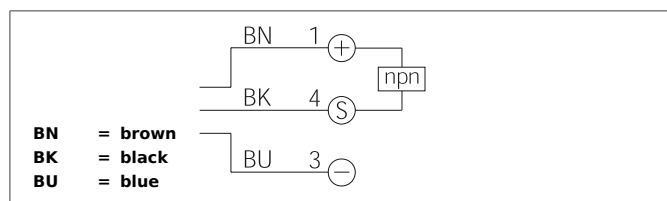


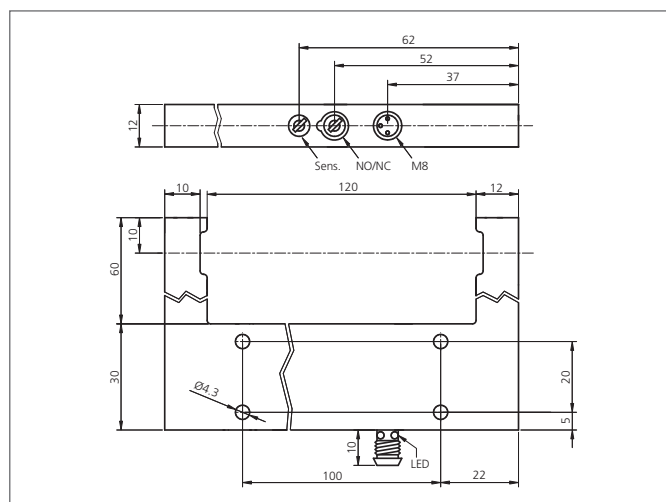
# **OGU 121 N3K-TSSL** **Fork Light Barrier**

- 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                         |  | 144 x 90 x 12 mm (Dimensions)            |
| Design                       |  | fork                                     |
| Fork opening                 |  | 120 mm                                   |
| Branch length                |  | 60 mm                                    |
| Emitted light                |  | Red, clocked                             |
| Service voltage              |  | 10 ... 35 V DC (Supply Class 2)          |
| Internal power consumption   |  | < 40 mA                                  |
| Resolution                   |  | Ø 0,8 mm                                 |
| Sensitivity adjustment       |  | potentiometer                            |
| Switching output             |  | npn, 200 mA, NO/NC, switchable           |
| Switching hysteresis         |  | < 0,25 mm                                |
| Voltage drop                 |  | 2,8 V                                    |
| Switching frequency          |  | 2.000 Hz                                 |
| Reproducibility              |  | 0,06 mm                                  |
| Ambient temperature          |  | -10 ... +60 °C                           |
| Ambient light immunity       |  | 40 kLx                                   |
| Insulation voltage endurance |  | 500 V                                    |
| Protection class             |  | IP 67                                    |
| Protection degree            |  | III, operation on protective low voltage |
| Casing material              |  | Die-cast zinc black lacquered finish     |
| Connection                   |  | Connector, M8, 3-poled                   |

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**Fork Light Barrier**



| TECHNICAL INFORMATION (typ.) | +20°C, 24V DC |
|------------------------------|---------------|
| Connecting cable             | TK ...        |