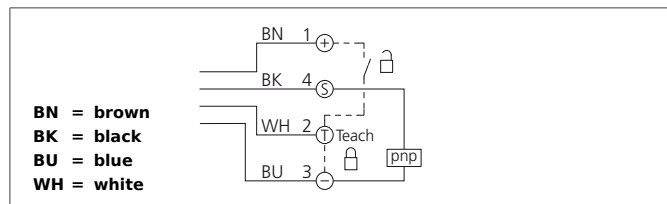


## OGUTI 031 FP3K-TSSL

### Fork Light Barrier

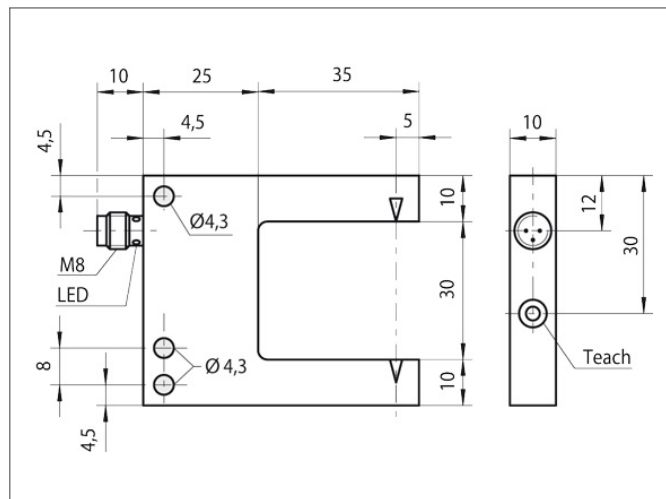
- Fast, simple, reliable: sensitivity adjustment via the teach key
- Auto-teach during a running process
- Remote teach option with key-lock function
- LED indicator for the teach procedure
- Detection of even the smallest objects
- Large functional reserve
- Light/dark switching



#### 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.  
Repair only by di-soric.



| TECHNICAL INFORMATION        |  | +20°C, 24V DC                        |
|------------------------------|--|--------------------------------------|
| Evaluation                   |  | digital                              |
| Size                         |  | 50 x 60 x 10 mm (Dimensions)         |
| Design                       |  | fork                                 |
| Fork opening                 |  | 30 mm                                |
| Emitted light                |  | Red, clocked                         |
| Service voltage              |  | 10 ... 35 V DC                       |
| Transmitter / receiver       |  | transmitter + receiver               |
| Output                       |  | pnp+npn, 200 mA, NO/NC, switchable   |
| Sensitivity adjustment       |  | teach key + remote teach             |
| Internal power consumption   |  | < 30 mA                              |
| Voltage drop                 |  | 2,0 V                                |
| Operating frequency          |  | 3.500 Hz                             |
| Resolution                   |  | Ø 0,3 mm                             |
| Switching hysteresis         |  | < 0,1 mm                             |
| Reproducibility              |  | < 0,1 mm                             |
| Ambient temperature          |  | -10 ... +60 °C                       |
| Ambient light immunity       |  | > 20 kLx                             |
| Insulation voltage endurance |  | 500 V                                |
| Protection class             |  | IP 67                                |
| Casing material              |  | die-cast zinc black lacquered finish |
| Connection                   |  | Connector, M8, 4-poled               |