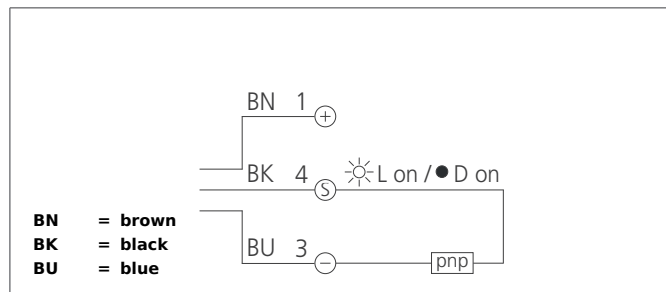


## OR 31 K 5000 P3-3 Retroreflective Sensor

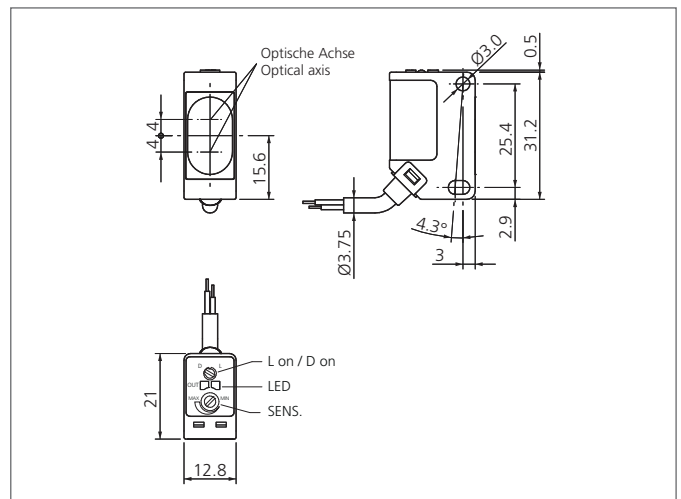


- Compact design
- Red light
- Sensitivity adjustable
- Light/dark switching switchable
- High operating distance
- Fully encapsulated electronic circuitry, vibration-resistant
- Standardized hole spacing 25.4 mm



### 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            |  | Retroreflective sensor                   |
| Evaluation                     |  | digital                                  |
| Size                           |  | 31.2 x 21 x 12.8 (Dimensions)            |
| Design                         |  | cuboid design                            |
| Emitted light                  |  | Red, 630 nm, clocked                     |
| Operating distance             |  | 20 ... 5000 mm adjustable                |
| Service voltage                |  | 10 ... 30 V DC                           |
| No-load current                |  | < 30 mA                                  |
| Sensitivity adjustment         |  | potentiometer                            |
| Referring reflector            |  | Ø 84 mm, R 84                            |
| Switching output               |  | pnp, 100 mA, NO/NC, switchable           |
| Switching hysteresis           |  | < 10 %                                   |
| Shock/vibration load           |  | 10 ... 55 Hz / 1,0 mm / 30 g             |
| Voltage drop                   |  | < 2,0 V                                  |
| Switching frequency            |  | 2000 Hz                                  |
| Response-/release time         |  | 0,25 ms / 0,25 ms                        |
| Ambient temperature, operation |  | -25 ... +70 °C                           |
| Temperature drift              |  | 5 mm/K                                   |
| Ambient light immunity         |  | 3 kLx, Halogen light, 10 kLx, Sunlight   |
| Protection class               |  | IP 67                                    |
| Protection degree              |  | III, operation on protective low voltage |
| Casing material                |  | plastics (polyamide - PA 6.6)            |
| Material                       |  | polymethyl methacrylate (Window)         |

## OR 31 K 5000 P3-3

### Retroreflective Sensor



#### TECHNICAL INFORMATION (typ.)

Connection

**+20°C, 24V DC**

Cable, 2,0 m, 3-poled, flying leads