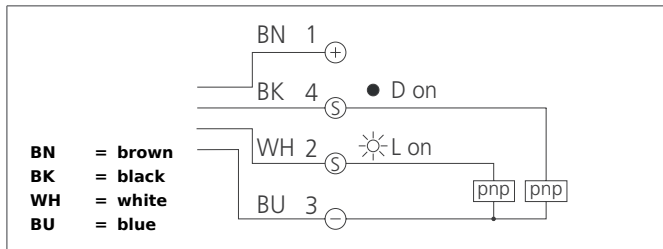
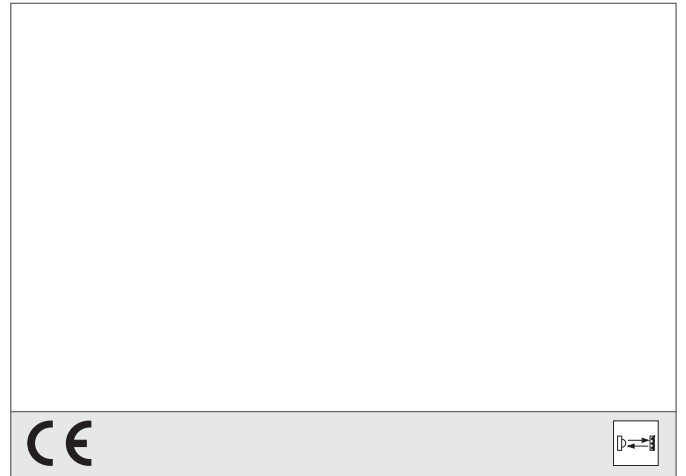


## OR 18-1 K 3000 P4-4 Retroreflective Sensor

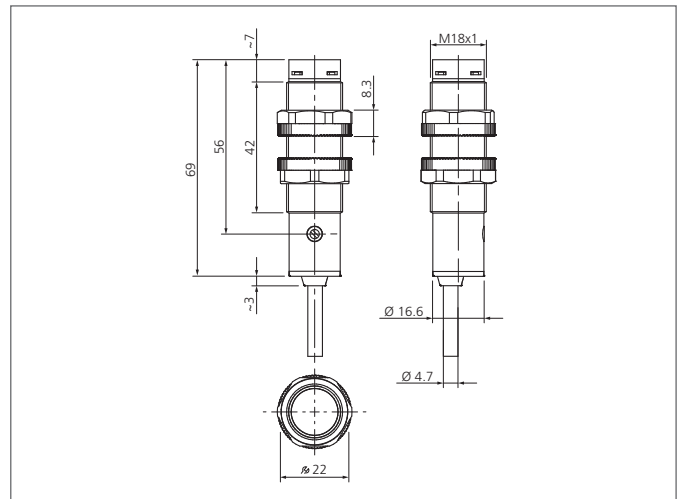
- Compact design
- Red light
- Polarized filter
- Sensitivity adjustable
- High resolution, operating frequency, functional reserve
- High operating distance
- Antivalent output



### 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                           | M18 x 1 (thread)                         |
| Design                         | screw                                    |
| Emitted light                  | Red, 660 nm, clocked, polarized          |
| Operating distance             | 3000 mm                                  |
| 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, exclusive OR                |
| Switching hysteresis           | < 10 %                                   |
| Voltage drop                   | < 2,0 V                                  |
| Switching frequency            | 250 Hz                                   |
| Response-/release time         | 2,0 ms / 2,0 ms                          |
| Ambient temperature, operation | -25 ... +70 °C                           |
| Temperature drift              | 3 mm/K                                   |
| Ambient light immunity         | 5 kLx, Halogen light, 10 kLx, Sunlight   |
| Insulation voltage endurance   | 500 V                                    |
| Protection class               | IP 67                                    |
| Protection degree              | III, operation on protective low voltage |
| Casing material                | plastics (PBT)                           |

# OR 18-1 K 3000 P4-4

## Retroreflective Sensor



### TECHNICAL INFORMATION (typ.)

**+20°C, 24V DC**

Material

polymethyl methacrylate (Window)  
PVC (Cable)

Connection

Cable, 2,0 m, 4-poled, flying leads