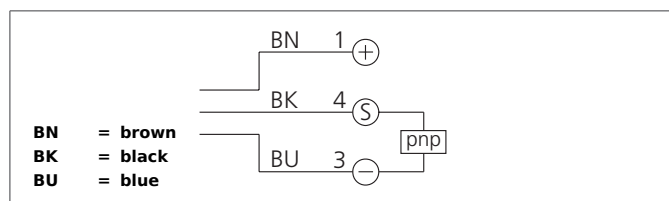


## OHT 31 K 200 P1K-TSSL

### Diffuse Sensor with Background Suppression

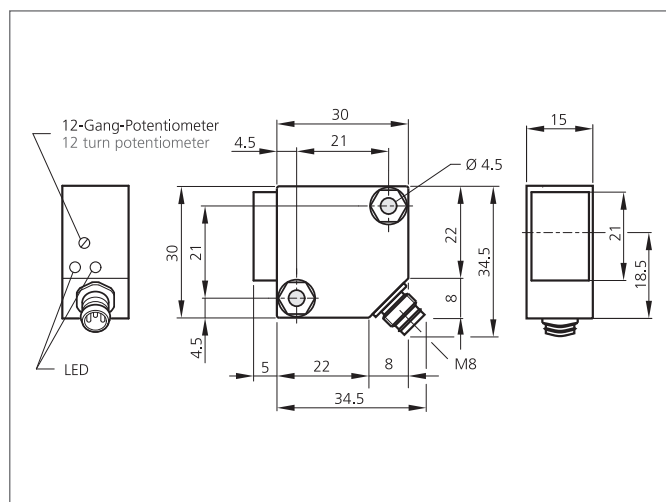
- Small design
- Red light
- 12-turn potentiometer
- Background suppression
- Sensitivity adjustable, large operating distance



#### 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.) |                                            |
|------------------------------|--------------------------------------------|
| Operating principle          | +20°C, 24V DC<br>Diffuse reflective sensor |
| Evaluation                   | digital                                    |
| Size                         | 30 x 30 x 15 mm (Dimensions)               |
| Design                       | cuboid design                              |
| Emitted light                | Red, 660 nm, clocked                       |
| Standardized measuring plate | 100 x 100 mm, white                        |
| Service voltage              | 10 ... 36 V DC                             |
| Internal power consumption   | < 25 mA                                    |
| background suppression       | yes                                        |
| Operating distance           | 15 ... 200 mm adjustable                   |
| Sensitivity adjustment       | Potentiometer 12-way                       |
| Switching output             | pnp, 200 mA, NO                            |
| Switching hysteresis         | < 5 %                                      |
| Voltage drop                 | < 2,0 V                                    |
| Switching frequency          | 500 Hz                                     |
| Response-/release time       | < 1 ms / < 1 ms                            |
| Ambient temperature          | -25 ... +55 °C                             |
| Temperature drift            | 0,3 %/K                                    |
| Ambient light immunity       | 10 kLx                                     |
| Insulation voltage endurance | 1.000 V                                    |
| Protection class             | IP 67                                      |
| Protection degree            | III, operation on protective low voltage   |
| Casing material              | plastics (PBT)                             |

## OHT 31 K 200 P1K-TSSL

### Diffuse Sensor with Background Suppression



| TECHNICAL INFORMATION (typ.) |                        |
|------------------------------|------------------------|
| Material                     | glass (Window)         |
| Connection                   | Connector, M8, 3-poled |