

# OGL 50/31-0 P2K-IBS

## High Performance Angled Light Barrier

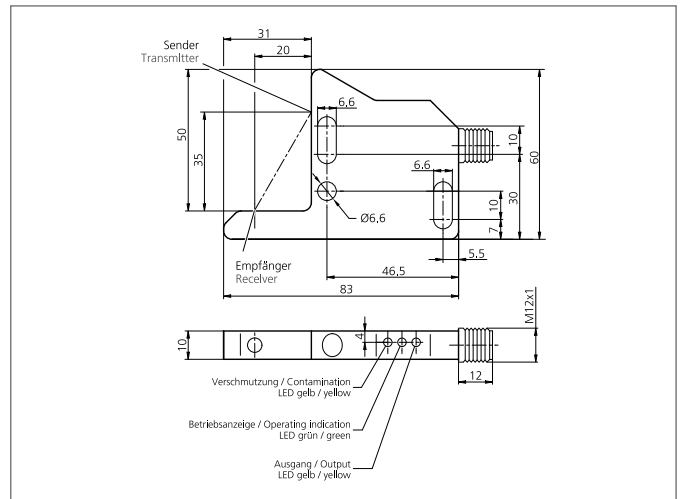
- High functional reserve
- Extremely dirt-resistant
- Optical axis approachable in x-, y- and z-direction
- All-purpose mounting
- Robust metal casing



### 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                           | 60 x 83 x 10 mm (Dimensions)             |
| Design                         | Angle                                    |
| Branch length inside           | 50/31 mm                                 |
| Characteristics                | High transmit power and dirt penetration |
| Emitted light                  | Infrared                                 |
| Service voltage                | 10 ... 35 V DC (Supply Class 2)          |
| No-load current                | < 20 mA                                  |
| Operating distance             | 40 mm (optical axis)                     |
| Sensitivity adjustment         | no setting elements                      |
| Switching output               | pnp, 200 mA, NO                          |
| Shock-/vibration load          | 10 ... 55 Hz / 1,0 mm / 30 g             |
| Voltage drop                   | < 2,0 V                                  |
| Switching frequency            | 50 Hz                                    |
| Ambient temperature, operation | -10 ... +60 °C                           |
| Ambient light immunity         | 5 kLx                                    |
| Insulation voltage endurance   | 500 V                                    |
| Protection class               | IP 67                                    |
| Protection degree              | III, operation on protective low voltage |
| Casing material                | Die-cast zinc                            |
| Connection                     | Connector, M12, 4-poled                  |