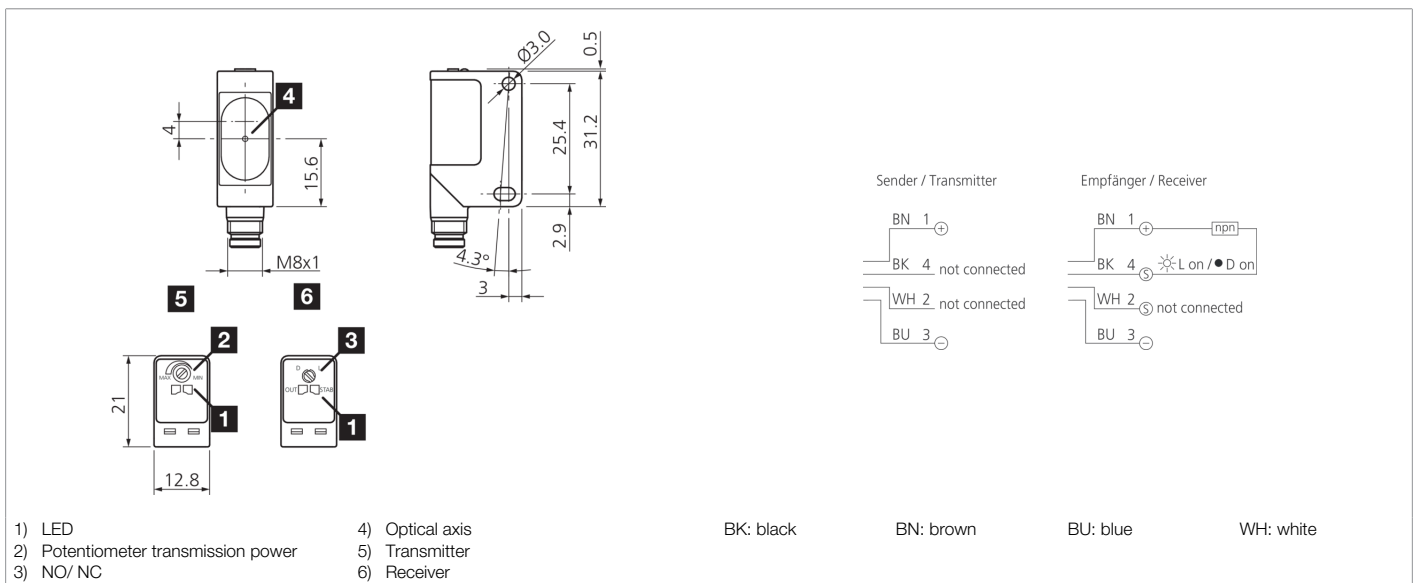




**209272**  
**OES 31 K 20000 N3-T4**  
**Through-beam sensor, transmitter / receiver**

- Set includes transmitter and receiver
- Long range
- Compact design
- Red light
- Sensitivity is adjustable
- Switch for light/dark switching
- Fully molded electronic circuitry, vibration-resistant
- Standardized hole spacing 25.4 mm



| Function |  |  |  |  |  |  |  |  |  |  |  |  |    |  |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|----|--|
|          |  |  |  |  |  |  |  |  |  |  |  |  | CE |  |

| Technical data (typ.)        | +20°C, 24 V DC                            |
|------------------------------|---|
| Service voltage              | 10 ... 30 V DC                            |
| No-load current (max.)       | 35 mA                                     |
| Insulation voltage endurance | 1000 V                                    |
| Housing dimensions           | 31.2 x 21 x 12.8 mm                       |
| Housing length               | 21 mm                                     |
| Housing height               | 31.2 mm                                   |
| Housing width                | 12.8 mm                                   |
| Housing material             | Plastic (PA, 6.6)                         |
| Material                     | PMMA (Window)                             |
| Protection class             | III, operation on protective low voltage  |
| Operating principle          | Through-beam sensor                       |
| Evaluation                   | digital                                   |
| Design                       | Cuboid design                             |
| Consisting of                | Transmitter and Receiver                  |
| Switching output             | npn, 100 mA, NO/NC, switchable (receiver) |
| Voltage drop (max.)          | 2 V                                       |
| Light source                 | LED                                       |
| Color                        | Red                                       |
| Wavelength                   | 630 nm                                    |



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**Through-beam sensor, transmitter / receiver**

| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
|---------------------------------------|--|
| Modulation                            | Clocked  |
| Ambient light immunity                | 3 kLx Halogen light, 10 kLx Sunlight   |
| Range                                 | 0 ... 20000 mm   |
| Switching hysteresis (max.)           | 10 %   |
| Sensitivity adjustment                | Potentiometer  |
| Switching frequency                   | 2000 Hz  |
| Response time                         | 0.25 ms  |
| Release time                          | 0.25 ms  |
| Ambient temperature during operation  | -25 ... +70 °C   |
| Temperature drift                     | 20 mm/K  |
| Protection type                       | IP 67  |
| Connection                            | Connector, M8, 4-pin   |
| Connection cable                      | TK ... /4  |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/209272">https://www.di-soric.com/209272</a></b> |