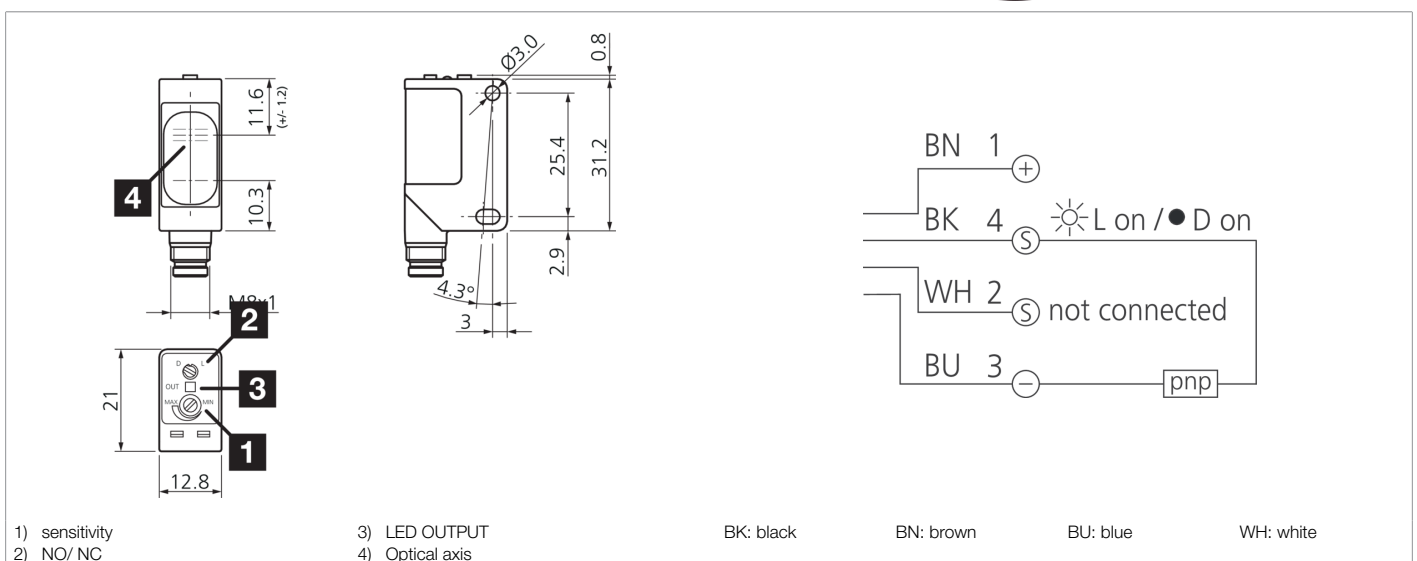




**209227**  
**OH 31 K 200 P3-T4**  
**Diffuse sensor with background suppression**

- Mechanical background suppression
- Compact design
- Red light
- Sensitivity is adjustable
- Switch for light/dark switching
- Standardized hole spacing 25.4 mm



| Function |  |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|--|
|          |  |  |  |  |  |  |  |  |  |  |

| Technical data (typ.)        | +20°C, 24 V DC                             |
|------------------------------|--|
| Service voltage              | 10 ... 30 V DC                             |
| No-load current (max.)       | 30 mA                                      |
| Insulation voltage endurance | 1.000 V                                    |
| Housing dimensions           | 31,2 x 21 x 12,8 mm                        |
| Housing material             | Plastic (PA, 6.6)                          |
| Material                     | PMMA (Window)                              |
| Protection class             | III, operation on protective low voltage   |
| Operating principle          | Diffuse sensor with background suppression |
| Evaluation                   | digital                                    |
| Design                       | Cuboid design                              |
| Switching output             | pnp, 100 mA, NO/NC, switchable             |
| Voltage drop (max.)          | 2,0 V                                      |
| Light source                 | LED  |
| Color                        | red  |
| Wavelength                   | 630 nm                                     |
| Modulation                   | Clocked                                    |
| Background suppression       | Yes  |
| Ambient light immunity       | 3 kLx Halogen light, 10 kLx Sunlight       |
| Switching distance           | adjustable                                 |



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**OH 31 K 200 P3-T4**

**Diffuse sensor with background suppression**

| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
|---------------------------------------|--|
| Scanning range                        | 30 ... 200 mm  |
| Standardized measuring plate          | 200 x 200 mm (white)   |
| Switching hysteresis (max.)           | 10 %   |
| Sensitivity adjustment                | Potentiometer  |
| Switching frequency                   | 1.000 Hz   |
| Activation time                       | 0,50 ms  |
| Release time                          | 0,50 ms  |
| Ambient temperature during operation  | -25 ... +70 °C   |
| Temperature drift                     | 0,2 mm/K   |
| Protection type                       | IP 67  |
| Connection                            | Connector, M8, 4-pin   |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/209227">https://www.di-soric.com/209227</a></b> |