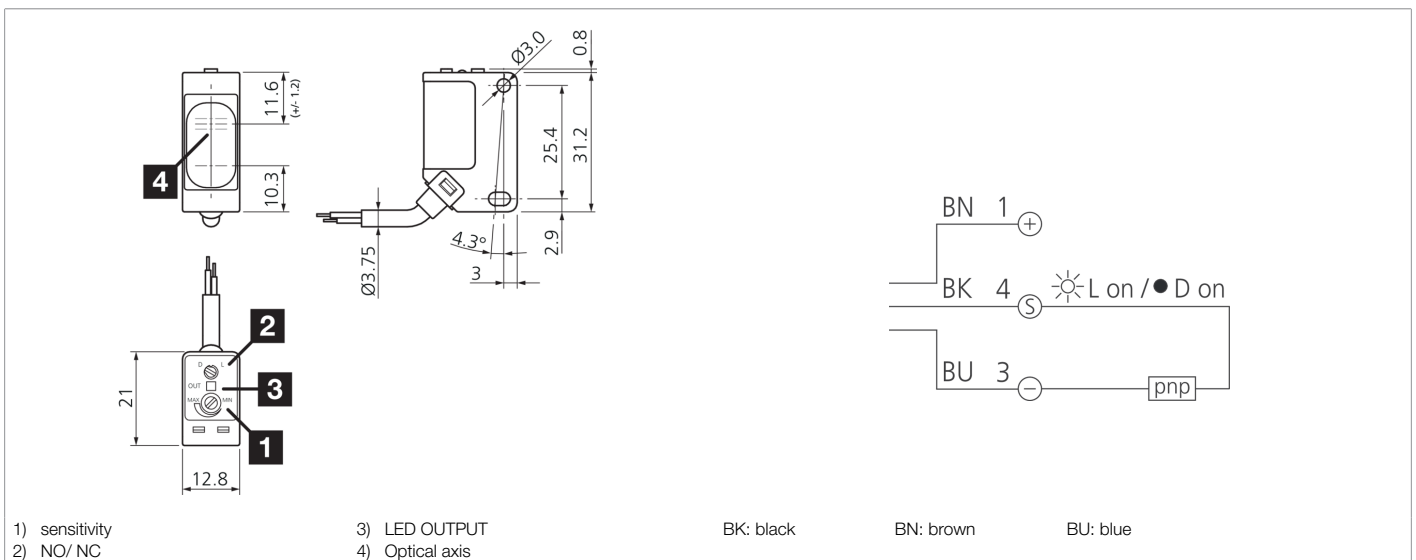




209226
OH 31 K 200 P3-3
Diffuse sensor with background suppression

- 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 P3-3

Diffuse sensor with background suppression

| Technical data (typ.) | +20°C, 24 V DC |
|--------------------------------------|---|
| 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 | Cable, 2,0 m, 3-pin (flying leads) |
| More information / accessories | https://www.di-soric.com/209226 |