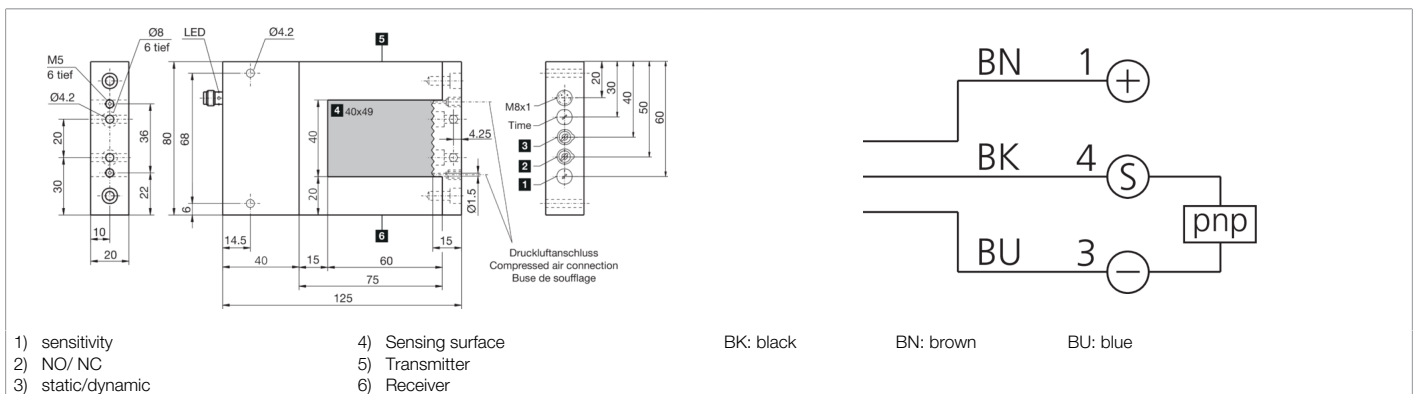




**201412**  
**OGWSD 4055 P3K-TSSL**  
**Frame light barrier**

- Baffle protection at the optics
- Metal potentiometer
- Cross bar, removable
- Air nozzle for the optics
- NO/NC, switchable
- Variable operating principle: dynamic or static
- Sensitivity adjustment
- Pulse stretching adjustable
- High resolution
- Short response time



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

| Technical data (typ.)                | +20°C, 24 V DC                           |
|--------------------------------------|--|
| Service voltage                      | 18 ... 35 V DC                           |
| No-load current (max.)               | 30 mA                                    |
| Insulation voltage endurance         | 500 V                                    |
| Housing material                     | Aluminum (Black, Anodized)               |
| Protection class                     | III, operation on protective low voltage |
| Operating principle                  | Optical                                  |
| Evaluation                           | digital, Dynamic/static switchable       |
| Switching output                     | pnp, 200 mA, NO/NC, switchable           |
| Voltage drop (max.)                  | 2.5 V                                    |
| Pulse stretching                     | 0.1 ... 150 ms adjustable                |
| Light source                         | LED                                      |
| Color                                | Infrared                                 |
| Wavelength                           | 940 nm                                   |
| Modulation                           | Clocked                                  |
| Ambient light immunity               | 20 kLx                                   |
| Detection range                      | 40 x 49 mm                               |
| Resolution                           | Ø 0.7 mm (dynamic), Ø 1.0 mm (static)    |
| Sensitivity adjustment               | Potentiometer                            |
| Response time                        | 0.10 ms                                  |
| Release time                         | 0.10 ... 150 ms                          |
| Ambient temperature during operation | 0 ... +60 °C                             |
| Protection type                      | IP 67                                    |
| Connection                           | Connector, M8, 3-pin                     |
| Connection cable                     | TK ...                                   |



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[More information / accessories](#)

<https://www.di-soric.com/201412>