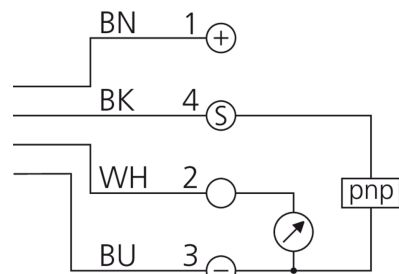
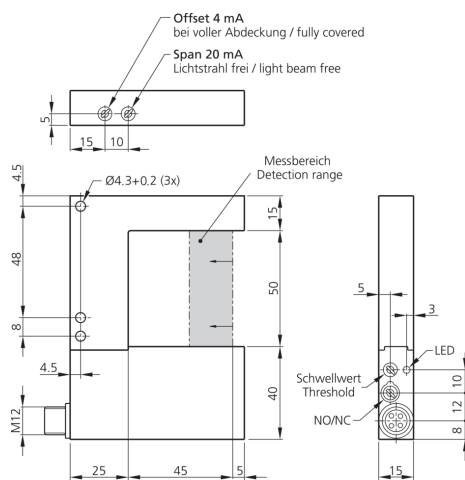




**201278**  
**OGU 050/20 IP3K-IBS**  
**Fork light barrier, analog**

- Analog output
- IR light
- Metal casing
- LED integrated in housing



BK: black      BN: brown      BU: blue      WH: white

**Function**



**Technical data (typ.)**

**+20°C, 24 V DC**

|                              |                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Service voltage              | 15 ... 35 V DC (Supply Class 2)                                                                                        |
| No-load current (max.)       | 80 mA                                                                                                                  |
| Insulation voltage endurance | 500 V                                                                                                                  |
| Leg length internal          | 50 mm                                                                                                                  |
| Housing dimensions           | 105 x 75 x 15 mm                                                                                                       |
| Housing material             | Aluminum (Black, Anodized)                                                                                             |
| Protection class             | III, operation on protective low voltage                                                                               |
| Operating principle          | Optical                                                                                                                |
| Evaluation                   | analog                                                                                                                 |
| Design                       | Fork                                                                                                                   |
| Note                         | For trouble-free operation, we recommend the use of shielded connection cables; the shielding must be connected to PE. |
| Switching output             | pnp, 200 mA, NO/NC, switchable                                                                                         |
| Voltage drop (max.)          | 2,8 V                                                                                                                  |
| Analog output                | 4 ... 20 mA                                                                                                            |
| Light source                 | LED                                                                                                                    |
| Color                        | Infrared                                                                                                               |
| Modulation                   | Clocked                                                                                                                |
| Ambient light immunity       | 10 kLx                                                                                                                 |
| Fork opening                 | 50 mm                                                                                                                  |



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| <b>Technical data (typ.)</b>          |  | <b>+20°C, 24 V DC</b>                                                                |
|---------------------------------------|--|--------------------------------------------------------------------------------------|
| Measuring range                       |  | 20 mm                                                                                |
| Resolution                            |  | Ø 0,5 mm                                                                             |
| Switching hysteresis (max.)           |  | 10 %                                                                                 |
| Reproducibility                       |  | 0,05 mm                                                                              |
| Linearity error                       |  | 5 %                                                                                  |
| Sensitivity adjustment                |  | Potentiometer                                                                        |
| Switching frequency                   |  | 2.000 Hz (abhängig vom eingestellten Schwellwert)                                    |
| Ambient temperature during operation  |  | +5 ... +50 °C                                                                        |
| Protection type                       |  | IP 67                                                                                |
| Connection                            |  | Connector, M12, 4-pin                                                                |
| Connection cable                      |  | VK ...                                                                               |
| <b>More information / accessories</b> |  | <b><a href="https://www.di-soric.com/201278">https://www.di-soric.com/201278</a></b> |