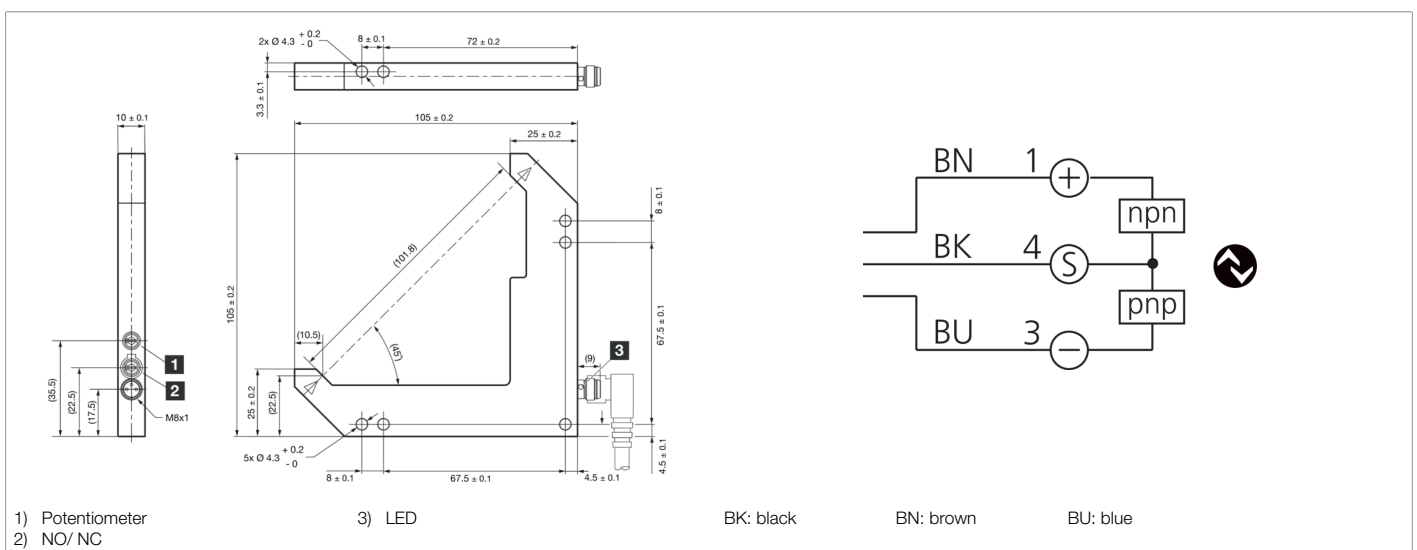




211049
OGLL 081 G3-T3
Laser angled light barrier

- IO-Link
- 4 operating modes as an IO-Link parameter
- Switch-on/off delay as an IO-Link parameter
- Diagnostics with IO-Link
- Metal casing
- Electronics integrated
- Sensitivity is adjustable
- High switching frequency
- Light/dark switching
- Bright ring LED



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

| Technical data (typ.) | +20°C, 24 V DC |
|------------------------------|------------------------------------------------------|
| Service voltage | 10 ... 30 V DC |
| No-load current (max.) | 30 mA |
| Insulation voltage endurance | 500 V |
| Leg length internal | 80/80 mm |
| Housing dimensions | 105 x 105 x 10 mm |
| Housing length | 105 mm |
| Housing height | 105 mm |
| Housing width | 10 mm |
| Housing material | Die-cast zinc (Black, powder-coated) |
| Weight | 136 g |
| Protection class | III, operation on protective low voltage |
| Approvals | UL |
| Operating principle | Optical |
| Evaluation | digital |
| Design | Angle |
| Switching output | Push-pull, 100 mA, NO/NC, switchable |
| Voltage drop (max.) | 1 V |
| Interface | IO-Link (V1.1, COM2 (38.4 kBd) Smart Sensor Profile) |
| Light source | Laser |
| Laser class | 1 (IEC 60825-1) |



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| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Color | red |
| Wavelength | 655 nm |
| Modulation | Clocked |
| Range | 100 mm (optical axis) |
| Resolution (factory setting) | 0.05 mm (STANDARD) |
| Reproducibility (factory setting) | 0.01 mm (STANDARD) |
| Resolution (STANDARD) | 0.05 mm |
| Reproducibility (STANDARD) | 0.01 mm |
| Resolution (HIGH RESOLUTION) | 0.03 mm |
| Reproducibility (HIGH RESOLUTION) | 0.01 mm |
| Resolution (POWER) | 0.15 mm |
| Reproducibility (POWER) | 0.015 mm |
| Resolution (SPEED) | 0.05 mm |
| Reproducibility (SPEED) | 0.015 mm |
| Sensitivity adjustment | Potentiometer or IO-Link |
| Switching frequency (factory setting) | 5000 Hz (STANDARD) |
| Switching frequency (STANDARD) | 5000 Hz |
| Switching frequency (HIGH RESOLUTION) | 2000 Hz |
| Switching frequency (POWER) | 1000 Hz |
| Switching frequency (SPEED) | 10000 Hz |
| Ambient temperature during operation | -25 ... +60 °C |
| Protection type | IP 67 |
| Connection | Connector, M8, 3-pin |
| Connection cable | TK ... |
| More information / accessories | https://www.di-soric.com/211049 |