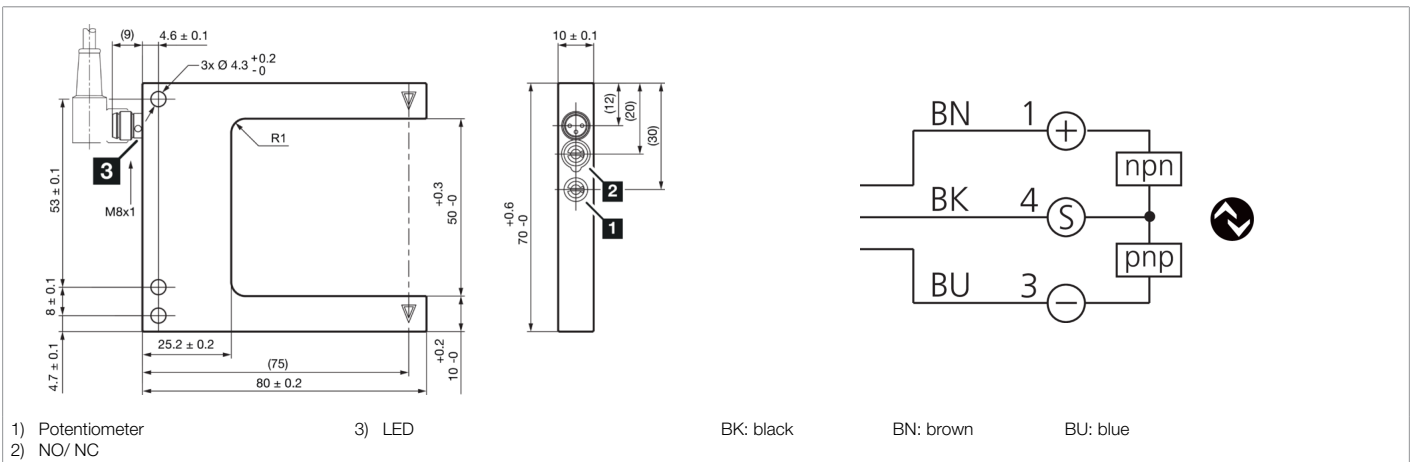


210993
OGUP 050 G3-T3
High-performance fork light barrier

- High function reserve
- Extremely dirt-resistant
- Collimator optics
- Metal casing
- Electronics integrated
- Sensitivity is adjustable
- Light/dark switching
- Bright ring LED
- High protection type
- 5-year warranty



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

| Technical data (typ.) | +20°C, 24 V DC |
|------------------------------|--|
| Service voltage | 10 ... 30 V DC (Supply Class 2) |
| No-load current (max.) | 30 mA |
| Insulation voltage endurance | 500 V |
| Leg length internal | 55 mm |
| Housing dimensions | 70 x 80 x 10 mm |
| Housing length | 80 mm |
| Housing height | 70 mm |
| Housing width | 10 mm |
| Housing material | Die-cast zinc (Black, powder-coated) |
| Protection class | III, operation on protective low voltage |
| Operating principle | Optical |
| Evaluation | digital |
| Design | Fork |
| Characteristics | High transmit power and dirt penetration |
| Switching output | Push-pull, 100 mA, NO/NC, switchable |
| Voltage drop (max.) | 1 V |
| Interface | IO-Link |
| Light source | LED |
| Color | Infrared |
| Modulation | Clocked |
| Fork opening | 50 mm |
| Resolution (factory setting) | 2 mm (SPEED) |


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| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--|
| Reproducibility (factory setting) | 0,03 mm (SPEED) |
| Resolution (STANDARD) | 0,3 mm |
| Reproducibility (STANDARD) | 0,02 mm |
| Resolution (HIGH RESOLUTION) | 0,2 mm |
| Reproducibility (HIGH RESOLUTION) | 0,02 mm |
| Resolution (POWER) | 2 mm |
| Reproducibility (POWER) | 0,03 mm |
| Resolution (SPEED) | 0,3 mm |
| Reproducibility (SPEED) | 0,02 mm |
| Sensitivity adjustment | Potentiometer or IO-Link |
| Switching frequency (factory setting) | 200 Hz (SPEED) |
| Switching frequency (STANDARD) | 5.000 Hz |
| Switching frequency (HIGH RESOLUTION) | 1.500 Hz |
| Switching frequency (POWER) | 200 Hz |
| Switching frequency (SPEED) | 8.000 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/210993 |