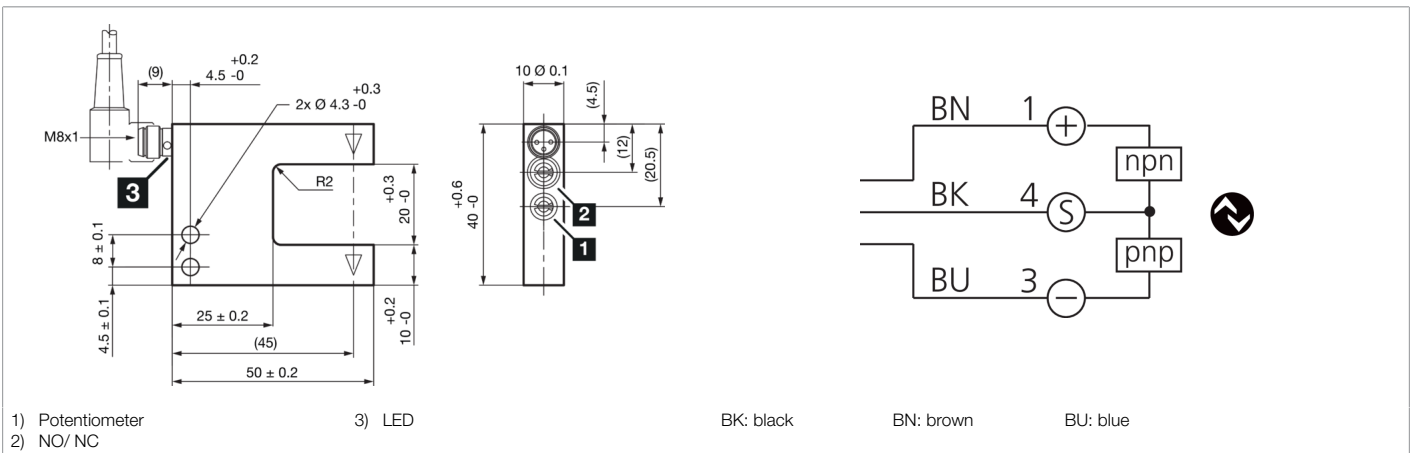
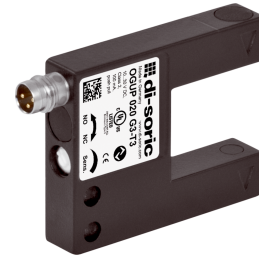




210991
OGUP 020 G3-T3
High-performance fork light barrier

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



| 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 | 25 mm |
| Housing dimensions | 40 x 50 x 10 mm |
| Housing length | 50 mm |
| Housing height | 40 mm |
| Housing width | 10 mm |
| Housing material | Die-cast zinc (Black, powder-coated) |
| Protection class | III, operation on protective low voltage |
| Approvals | UL |
| 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 | 20 mm |
| Resolution (factory setting) | 2 mm (POWER) |



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OGUP 020 G3-T3

High-performance fork light barrier

| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|---|
| Reproducibility (factory setting) | 0.03 mm (POWER) |
| 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 |
| Switching hysteresis (max.) | 0.03 mm |
| Reproducibility | 0.2 mm |
| Sensitivity adjustment | Potentiometer or IO-Link |
| Switching frequency (factory setting) | 200 Hz (POWER) |
| Switching frequency (STANDARD) | 5000 Hz |
| Switching frequency (HIGH RESOLUTION) | 1500 Hz |
| Switching frequency (POWER) | 200 Hz |
| Switching frequency (SPEED) | 8000 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/210991 |