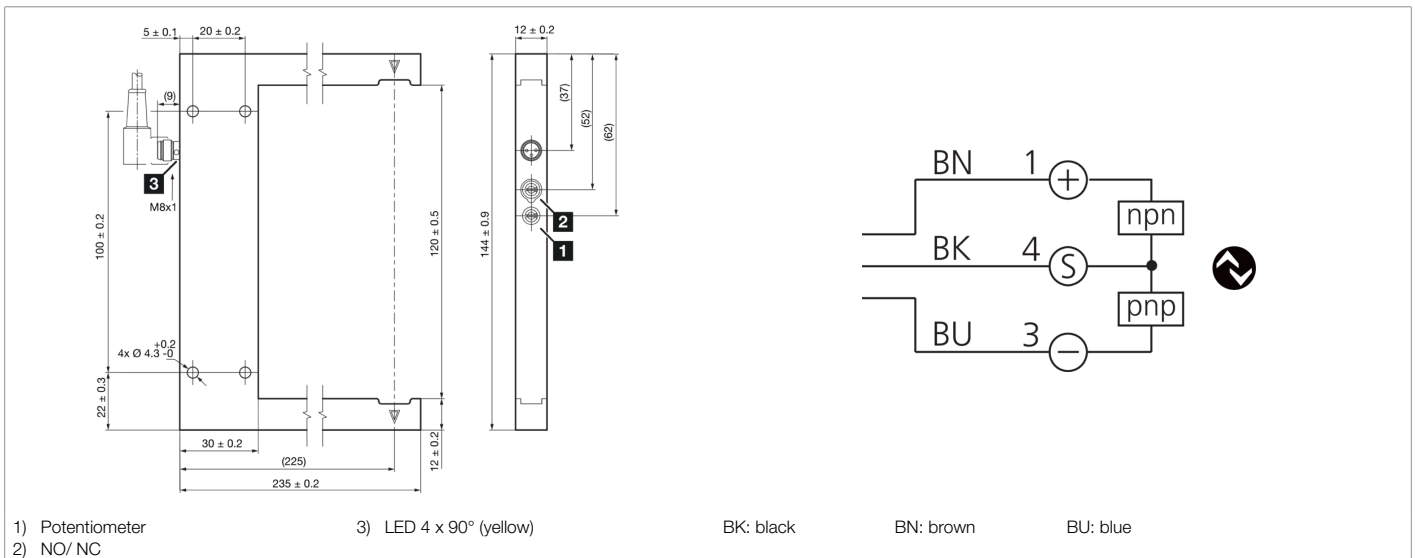




213107
OGU 120/205 G3-T3
Fork light barrier

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



| 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 | 205 mm |
| Housing dimensions | 144 x 235 x 12 mm |
| Housing length | 235 mm |
| Housing height | 144 mm |
| Housing width | 12 mm |
| Housing material | Aluminum (Black, Anodized) |
| Protection class | III, operation on protective low voltage |
| Approvals | UL |
| Operating principle | Optical |
| Evaluation | digital |
| Design | Fork |
| Operation modes | STANDARD, HIGH RESOLUTION, POWER, SPEED |
| Switching output | Push-pull, 100 mA, NO/NC, switchable |
| Interface | IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile) |
| Light source | LED |
| Color | Infrared |



213107
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Fork light barrier

| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Modulation | Clocked |
| Fork opening | 120 mm |
| Resolution (factory setting) | 0.5 mm (STANDARD) |
| Reproducibility (factory setting) | 0.02 mm (STANDARD) |
| Resolution (STANDARD) | 0.5 mm |
| Reproducibility (STANDARD) | 0.02 mm |
| Resolution (HIGH RESOLUTION) | 0.3 mm |
| Reproducibility (HIGH RESOLUTION) | 0.02 mm |
| Resolution (POWER) | 1.5 mm |
| Reproducibility (POWER) | 0.02 mm |
| Resolution (SPEED) | 0.5 mm |
| Reproducibility (SPEED) | 0.02 mm |
| Sensitivity adjustment | Potentiometer or IO-Link |
| Switching frequency (factory setting) | 5000 Hz (STANDARD) |
| Switching frequency (STANDARD) | 5000 Hz |
| Switching frequency (HIGH RESOLUTION) | 1500 Hz |
| Switching frequency (POWER) | 250 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/213107 |