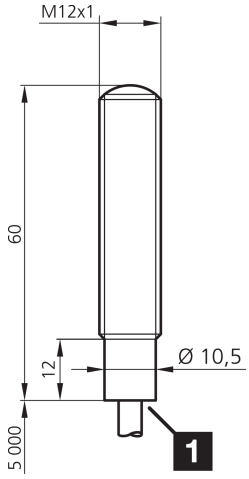
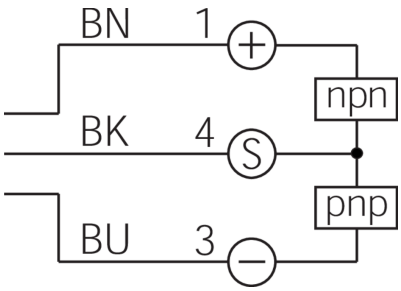
# 204163
# OEP 12 V 20000 G2L-5M
# High performance light barrier, receiver

- Range up to 20 m
- Integrated amplifier electronics
- Transistor output with push-pull
- High function reserve
- Extremely dirt-resistant
- Easy adjustment
- Different designs to be combined
- High protection type
- Compact design




1) LED

BK: black BN: brown BU: blue

**Function**

| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| **Electrical features** | |
| Service voltage | 10 … 35 V DC |
| No-load current (max.) | 40 mA |
| **Mechanical features** | |
| Thread | M12 x 1 |
| Housing length | 60 mm |
| Housing material | Stainless steel (V2A 1.4301 / AISI 304) |
| Material of cable | PVC |
| **Certifications, approvals** | |
| Protection class | III, operation on protective low voltage |
| **General features** | |
| Operating principle | Through-beam sensor, receiver |
| Evaluation | digital |
| Design | Thread |
| Characteristics | High transmit power and dirt penetration |
| Consisting of | Receiver |
| **Output, input, interface** | |
| Switching output | Push-pull, 200 mA, NO (pnp) / NC (npn) |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| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| **Optical data** | |
| Ambient light immunity | 15 kLx Sunlight, 2 kLx Clocked light |
| **Detection range, measuring range, tolerance limits** | |
| Range | 0 … 20000 mm (dependent on the transmitter) |
| **Display, operation** | |
| Sensitivity adjustment | no setting elements |
| **Time behavior** | |
| Switching frequency | 150 Hz |
| **Ambient conditions** | |
| Shock/vibration load | 30 g, 11 ms / 10 … 55 Hz, 2.0 mm |
| Ambient temperature during operation | -20 … +60 °C |
| Protection type | IP 67 / IP 68 / IP 69K |
| **Electrical connection** | |
| Connection | Cable, 5.0 m |

| More information / accessories | https://www.di-soric.com/204163 |
|---|---|


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