

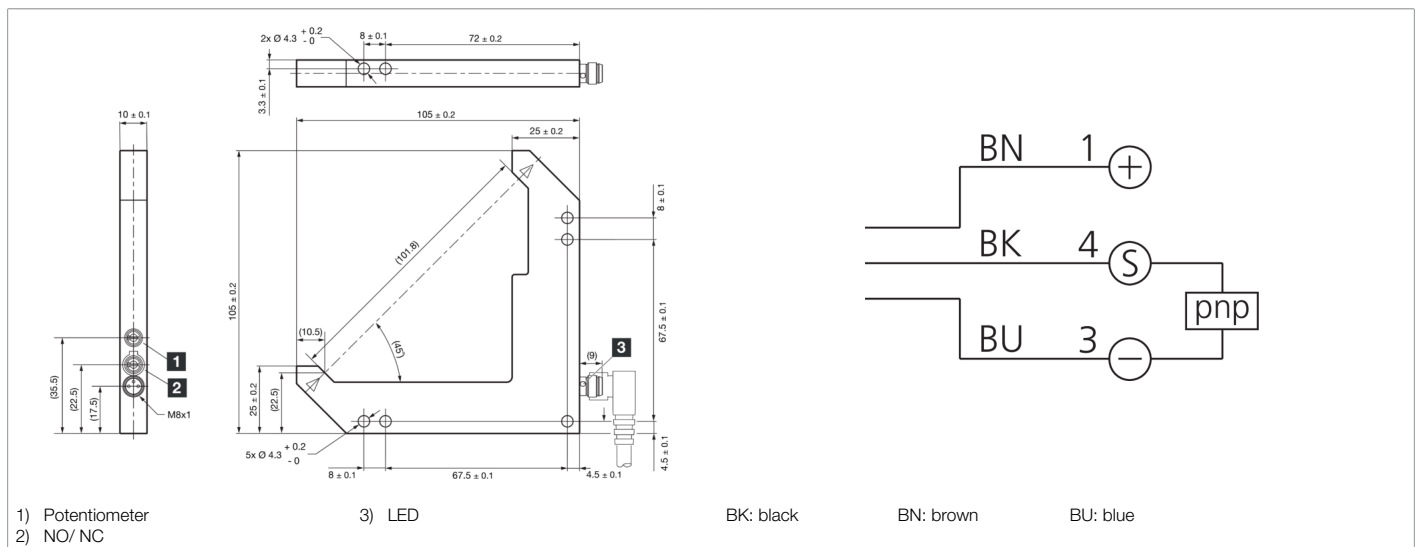


201227

OGLP 080 P3K-TSSL

High-performance angled light barriers

- High function reserve
- Extremely dirt-resistant
- Collimator optics
- Optical axis approachable in x-, y- and z-direction
- Electronics integrated
- Sensitivity is adjustable
- Light/dark switching
- Metal connector
- Bright ring LED



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

| Technical data (typ.)        | +20°C, 24 V DC                           |
|------------------------------|------------------------------------------|
| Service voltage              | 10 ... 35 V DC (Supply Class 2)          |
| 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, painted)           |
| Protection class             | III, operation on protective low voltage |
| Operating principle          | Optical                                  |
| Evaluation                   | digital                                  |
| Design                       | Angle                                    |
| Characteristics              | High transmit power and dirt penetration |
| Switching output             | pnp, 200 mA, NO/NC, switchable           |
| Voltage drop (max.)          | 2.8 V                                    |
| Light source                 | LED                                      |
| Color                        | Infrared                                 |
| Wavelength                   | 880 nm                                   |
| Modulation                   | Clocked                                  |


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| Technical data (typ.)                |  | +20°C, 24 V DC                                                                |
|--------------------------------------|--|-------------------------------------------------------------------------------|
| Ambient light immunity               |  | 20 kLx                                                                        |
| Range                                |  | 100 mm (optical axis)                                                         |
| Resolution                           |  | Ø 3.0 mm                                                                      |
| Switching hysteresis (max.)          |  | 0.2 mm                                                                        |
| Reproducibility                      |  | 0.06 mm                                                                       |
| Sensitivity adjustment               |  | Potentiometer                                                                 |
| Switching frequency                  |  | 300 Hz                                                                        |
| Ambient temperature during operation |  | -10 ... +60 °C                                                                |
| Protection type                      |  | IP 67                                                                         |
| Connection                           |  | Connector, M8, 3-pin                                                          |
| Connection cable                     |  | TK ...                                                                        |
| More information / accessories       |  | <a href="https://www.di-soric.com/201227">https://www.di-soric.com/201227</a> |