

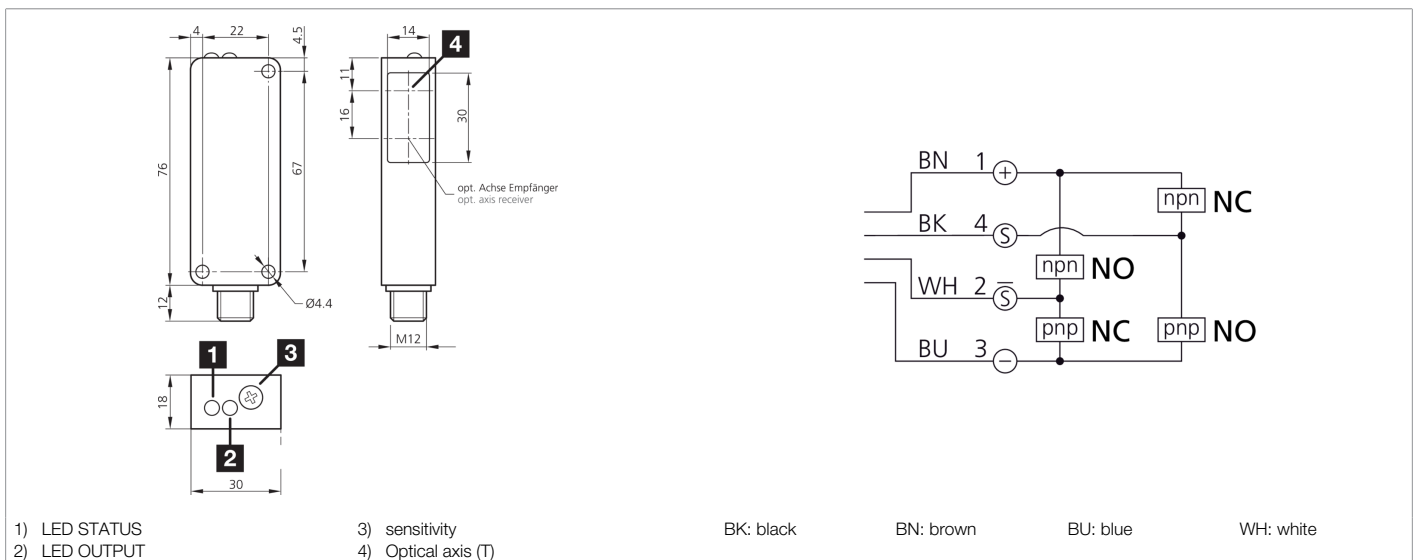


203685

LHT 81 M 400 G4L-IBS

Laser diffuse sensor with background suppression

- Mechanical background suppression
- Vibration-safe 6-turn adjustment for finest adjustment
- Red-light laser, with small laser spot
- Push-pull pnp + npn
- High resolution, switching accuracy, switching frequency
- Functional reserve indicator
- Robust metal housing



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

| Technical data (typ.)        | +20°C, 24 V DC                             |
|------------------------------|--|
| Service voltage              | 10 ... 35 V DC                             |
| No-load current (max.)       | 30 mA                                      |
| Insulation voltage endurance | 500 V                                      |
| Housing dimensions           | 76 x 30 x 18 mm                            |
| Housing length               | 30 mm                                      |
| Housing height               | 76 mm                                      |
| Housing width                | 18 mm                                      |
| Housing material             | Die-cast zinc (Black, painted)             |
| Material                     | Polycarbonate (Window)                     |
| Protection class             | III, operation on protective low voltage   |
| Operating principle          | Diffuse sensor with background suppression |
| Evaluation                   | digital                                    |
| Design                       | Cuboid design                              |
| Switching output             | Push-pull, 200 mA, NO/NC, antivalent       |
| Light source                 | Laser                                      |
| Laser class                  | CLASS 2 LASER PRODUCT, 2 (IEC 60825-1)     |
| Color                        | Red  |
| Wavelength                   | 650 nm (Pp < 1.8 mW t = 12 μs)             |
| Modulation                   | Clocked                                    |



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| Technical data (typ.)                | +20°C, 24 V DC  |
|--------------------------------------|---|
| Background suppression               | Yes   |
| Ambient light immunity               | 5 kLx   |
| Switching distance                   | 400 to 800 mm as diffuse sensor   |
| Scanning range                       | 40 ... 400 mm   |
| Switching hysteresis (max.)          | 1 %   |
| Sensitivity adjustment               | Potentiometer (6-turn)  |
| Switching frequency                  | 1000 Hz   |
| Ambient temperature during operation | -20 ... +60 °C  |
| Protection type                      | IP 67   |
| Connection                           | Connector, M12, 4-pin   |
| Connection cable                     | VK ...  |
| More information / accessories       | <a href="https://www.di-soric.com/203685">https://www.di-soric.com/203685</a> |