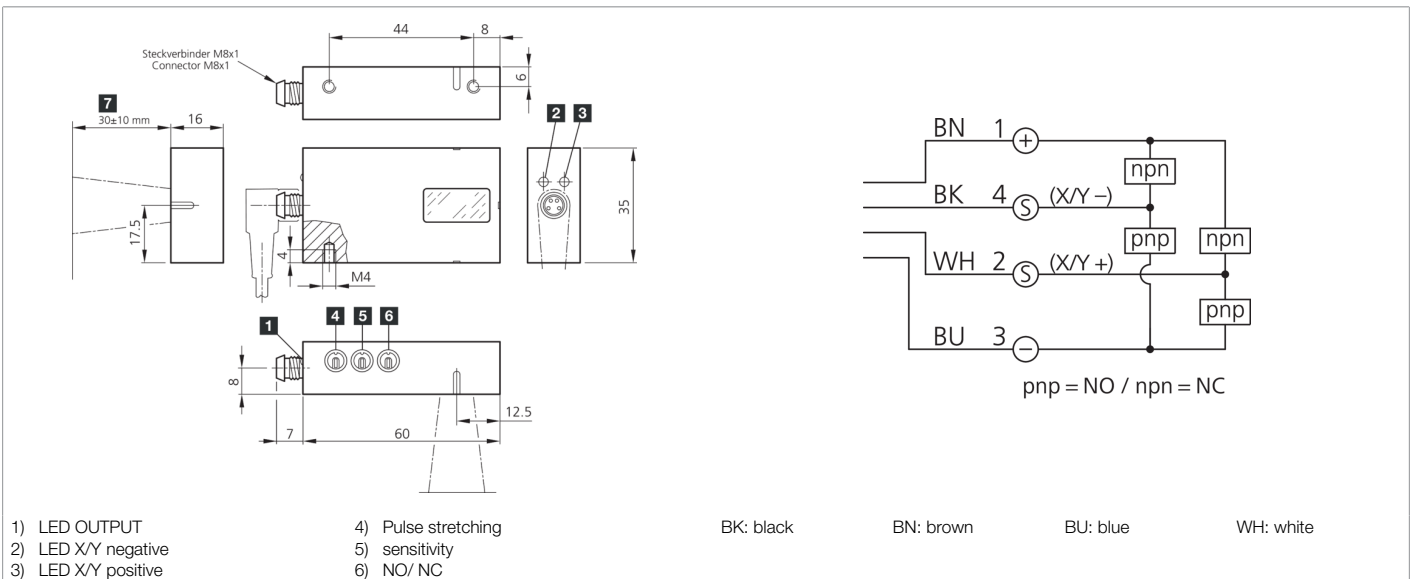




**209559**  
**OBSR 60 M 30 G8-T4**  
**Optical movement sensor**

- Detection of direction
- X- or Y-axis switchable
- For contactless feed control
- Detection of metallic, non-metallic and shiny surfaces
- Two switching outputs
- Robust metal housing
- High protection type



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

| Technical data (typ.)        | +20°C, 24 V DC                                  |
|------------------------------|---|
| Service voltage              | 10 ... 30 V DC                                  |
| No-load current (max.)       | 30 mA   |
| Insulation voltage endurance | 500 V   |
| Housing material             | Aluminum (Black, Anodized)                      |
| Material                     | PMMA (Window)                                   |
| Protection class             | III, operation on protective low voltage        |
| Operating principle          | Optical   |
| Evaluation                   | digital   |
| Design                       | Cuboid design                                   |
| Characteristics              | Detection of direction, X- or Y-axis switchable |
| Switching output             | Push-pull (2x), 150 mA                          |
| Voltage drop (max.)          | 2.5 V   |
| Pulse stretching             | 1 ... 1000 ms adjustable                        |
| Light source                 | Laser   |
| Laser class                  | 1M (EN 60825-1)                                 |
| Color                        | Infrared, Pp < 0,77 mW t = cw-Laser             |
| Wavelength                   | 850 nm  |
| Light spot size              | Ø 2 mm  |
| Ambient light immunity       | 5 kLx   |

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| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
|---------------------------------------|--|
| Switching distance                    | 20 ... 40 mm   |
| Switching hysteresis (max.)           | Fixed 16 % max. 0.1 m/s  |
| Sensitivity adjustment                | Potentiometer  |
| Display                               | LED (2x) yellow - Switching output   |
| Speed of parts (max.)                 | 5 m/s (material-dependent)   |
| Response time                         | 10 ms  |
| Ambient temperature during operation  | +5 ... +45 °C  |
| Protection type                       | IP 67  |
| Connection                            | Connector, M8, 4-pin   |
| Connection cable                      | TK ...   |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/209559">https://www.di-soric.com/209559</a></b> |