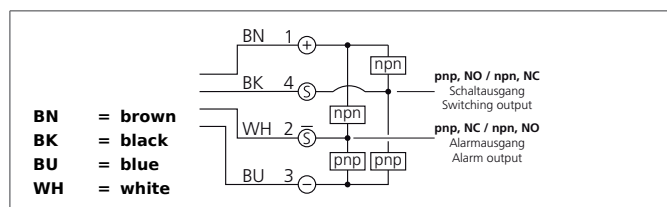


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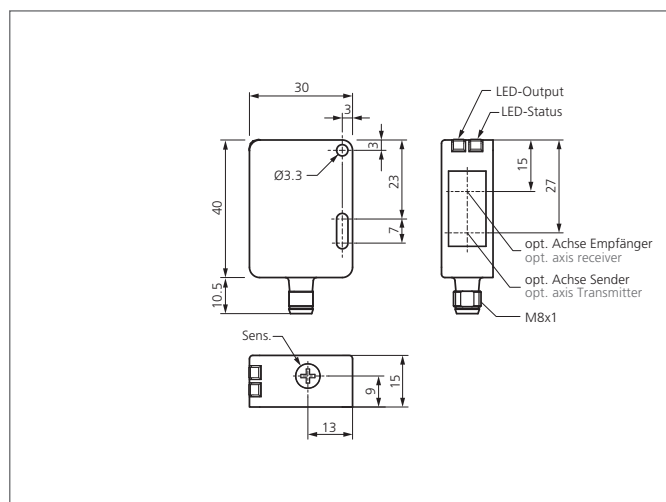
Laser Diffuse Sensor with Background Suppression

- Vibration-save 10-turn adjustment for finest adjustment
- Red light laser, with small laser spot
- Optical background suppression
- Switching output and alarm output
- Push-pull pnp + npn
- High resolution, switching accuracy, switching frequency
- Functional reserve indicator
- Robust metal casing
- All-purpose mounting



Safety instructions

Inproper use may result in hazardous radiation exposure. Pay attention to accident prevention rules and laser class. The instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments. These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)	
Operating principle	+20°C, 24V DC Diffuse reflective sensor
Evaluation	digital
Size	40 x 30 x 15 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, 650 nm, clocked
Laser class	1 (IEC 60825-1)
Service voltage	10 ... 30 V DC
No-load current	< 25 mA
background suppression	yes
Light spot size	Ø 2 mm
Operating distance	30 ... 250 mm (250 ... 400 mm as diffuse reflective sensor)
Sensitivity adjustment	10-turn adjustment
Switching output	Push pull, 100 mA, NO switching output, NC alarm output
Switching hysteresis	1,5 %
Shock-/vibration load	10 ... 55 Hz / 0,5 mm / 30 g
Display	LED: green - operation, yellow - output
Voltage drop	< 2,0 V
Switching frequency	1000 Hz
Ambient temperature, operation	-10 ... +50 °C
Ambient light immunity	20 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage

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Laser Diffuse Sensor with Background Suppression



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Casing material		Die-cast zinc black lacquered finish
Material		polycarbonate (Window)
Connection		Connector, M8, 4-poled
Connecting cable		TK ... /4