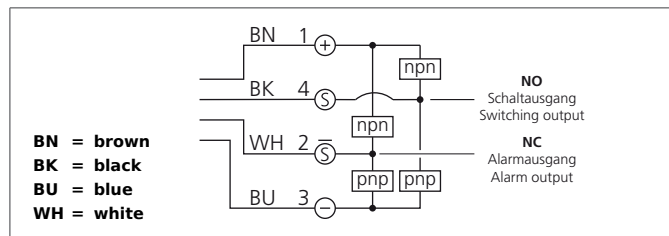


LHT 81 M 400 G6L-IBS

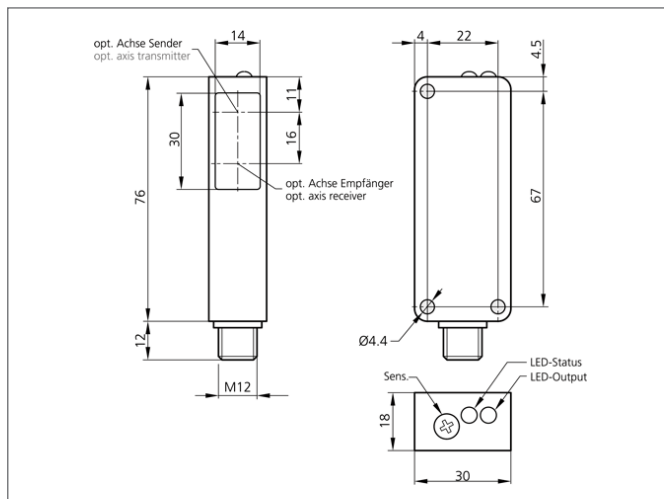
Laser Diffuse Sensor with Background Suppression

- Vibration-save 6-turn adjustment for finest adjustment
- red light laser, clocked with small laser spot
- Optical background suppression
- Push-pull pnp + npn
- High resolution, switching accuracy, switching frequency
- Functional reserve indicator and contamination indicator
- Robust metal casing



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. Repair only by di-soric.



TECHNICAL INFORMATION	
Evaluation	+20°C, 24V DC digital
Size	76 x 30 x 18 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, 650 nm, clocked
Service voltage	10 ... 35 V DC
background suppression	yes
Operating distance	40 ... 400 mm 4
Laser class	2 (EN 60825-1)
Output	Push pull, 200 mA
Sensitivity adjustment	6-turn adjustment
Internal power consumption	< 30 mA
Operating frequency	1.000 Hz
Switching hysteresis	< 1 %
Ambient temperature	-20 ... +60 °C
Ambient light immunity	> 5 kLx
Protection class	IP 67
Casing material	die-cast zinc black lacquered finish
Material	polycarbonate (Window)
Connection	Connector, M12, 4-poled