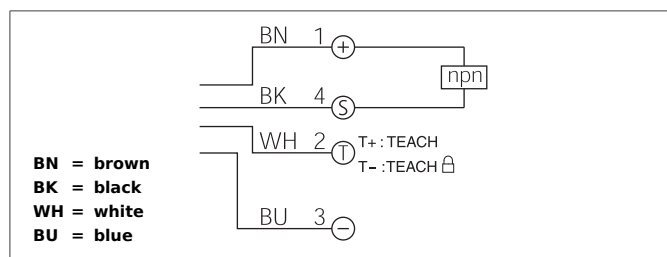


LHTTI 51 M 200 FN3K-TSSL

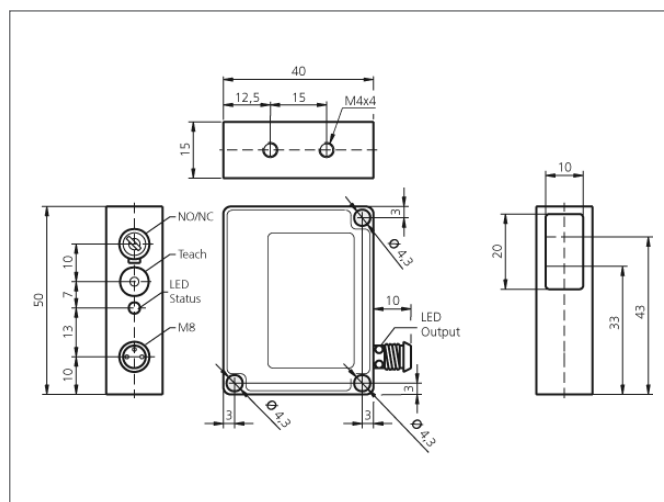
Laser Diffuse Sensor with Background Suppression

- Automatic adjustment of transmit power
- red light laser, clocked with small laser spot
- Teach function
- Remote teach option with key-lock function
- Electronical background suppression
- Functional reserve indicator/contamination indicator
- Bright LED, Connector M8 with ring LED
- Light/dark switching



Safety instructions

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	digital
Size	50 x 40 x 15 mm (Dimensions)
Design	cuboid design
Emitted light	Red light laser, 670 nm, clocked
Service voltage	10 ... 35 V DC
background suppression	yes
Diameter of light spot	Ø 1,5 mm
Operating distance	50 ... 200 mm
Laser class	2 (EN 60825-1)
Output	npn, 200 mA, NO/NC, switchable
Sensitivity adjustment	teach key + remote teach
Internal power consumption	< 45 mA
Voltage drop	< 2,0 V
Operating frequency	500 Hz
Switching hysteresis	6 %
Ambient temperature	-10 ... +50 °C
Ambient light immunity	5 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	die-cast zinc lacquered finish
Material	polycarbonate (Window)
Connection	Connector, M8, 4-poled