

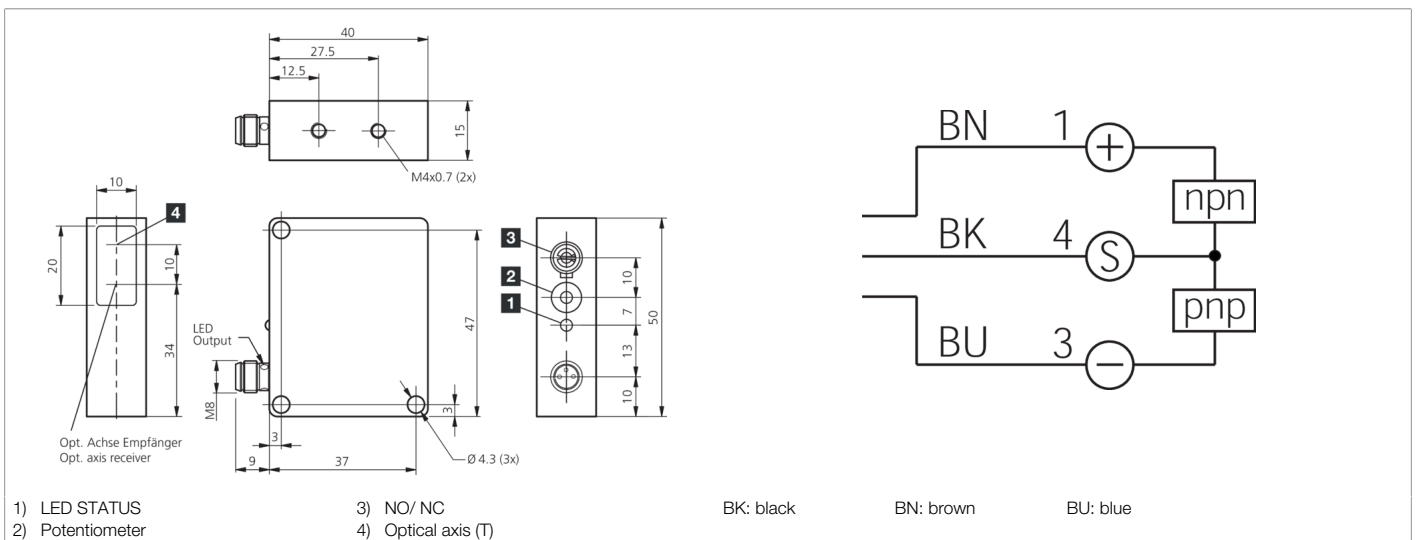


208132

LHT 51 M 200 G3-T3

Laser diffuse sensor with background suppression

- Automatic adjustment of transmitting power
- Red-light laser, with small laser spot
- 4-turn potentiometer
- Electronic background suppression
- Bright LED, Connector M8 with ring LED
- Light/dark switching



Function											

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 ... 35 V DC
No-load current (max.)	25 mA (24 V DC)
Insulation voltage endurance	500 V
Housing dimensions	50 x 40 x 15 mm
Housing length	40 mm
Housing height	50 mm
Housing width	15 mm
Housing material	Die-cast zinc (Black, painted)
Material	PMMA (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, switchable
Voltage drop (max.)	2 V
Light source	Laser
Laser class	CLASS 1 LASER PRODUCT, 1 (IEC 60825-1:2014 / EN 60825-1:2014)
Color	Red
Wavelength	650 nm (Pp < 2.6 mW t = 10 μs)
Modulation	Clocked

**208132****LHT 51 M 200 G3-T3****Laser diffuse sensor with background suppression**

Technical data (typ.)	+20°C, 24 V DC
Background suppression	Yes
Light spot size	Ø 1.5 mm
Ambient light immunity	5 kLx
Scanning range	50 ... 200 mm
Switching hysteresis (max.)	6 %
Reproducibility	0.5 %
Sensitivity adjustment	Potentiometer
Display	LED Green - Operation, yellow - Switching output
Switching frequency	500 Hz
Ambient temperature during operation	-10 ... +50 °C
Protection type	IP 67
Connection	Connector, M8, 3-pin
Connection cable	TK ...
More information / accessories	https://www.di-soric.com/208132