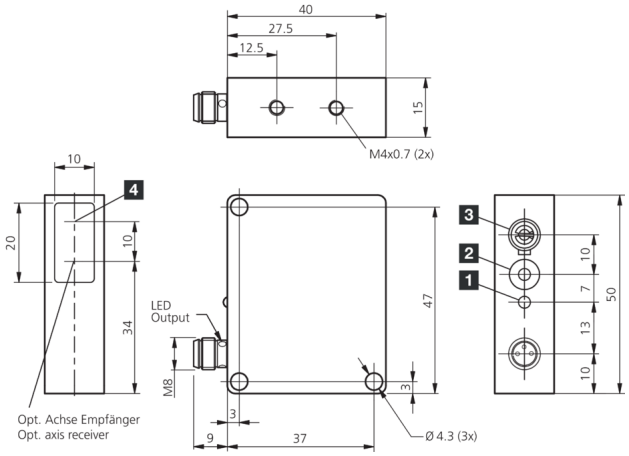
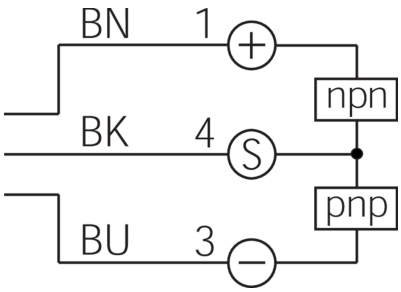
208132
LHT 51 M 200 G3-T3
Laser diffuse sensor with background suppression

- 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





1) LED STATUS
2) Potentiometer
3) NO/ NC
4) Optical axis (T)

BK: black BN: brown BU: blue

Function

Technical data (typ.)	+20°C, 24 V DC
Electrical features	
Service voltage	10 … 35 V DC
No-load current (max.)	25 mA (24 V DC)
Insulation voltage endurance	500 V
Mechanical features	
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)
Certifications, approvals	
Protection class	III
General features	
Operating principle	Diffuse sensor with background suppression
Evaluation	digital
Design	Cuboid design

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Technical data (typ.)	+20°C, 24 V DC
Output, input, interface	
Switching output	Push-pull, 200 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Optical data	
Light source	Laser
Laser class	CLASS 1 LASER PRODUCT, (IEC 60825-1:2014 / EN 60825-1:2014)
Color	Red
Wavelength	650 nm (Pp < 2.6 mW t = 10 µs)
Modulation	Clocked
Background suppression	Yes
Light spot size	Ø 1.5 mm
Ambient light immunity	5 kLx
Detection range, measuring range, tolerance limits	
Range	50 … 200 mm
Switching hysteresis (max.)	6 %
Reproducibility	0.5 %
Display, operation	
Sensitivity adjustment	Potentiometer
Display	LED green - Operation, yellow - Switching output
Time behavior	
Switching frequency	500 Hz
Ambient conditions	
Ambient temperature during operation	-10 … +50 °C
Protection type	IP 67
Electrical connection	
Connection	Connector, M8, 3-pin
Accessories	
Connection cable	TK …

More information / accessories	https://www.di-soric.com/208132

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