

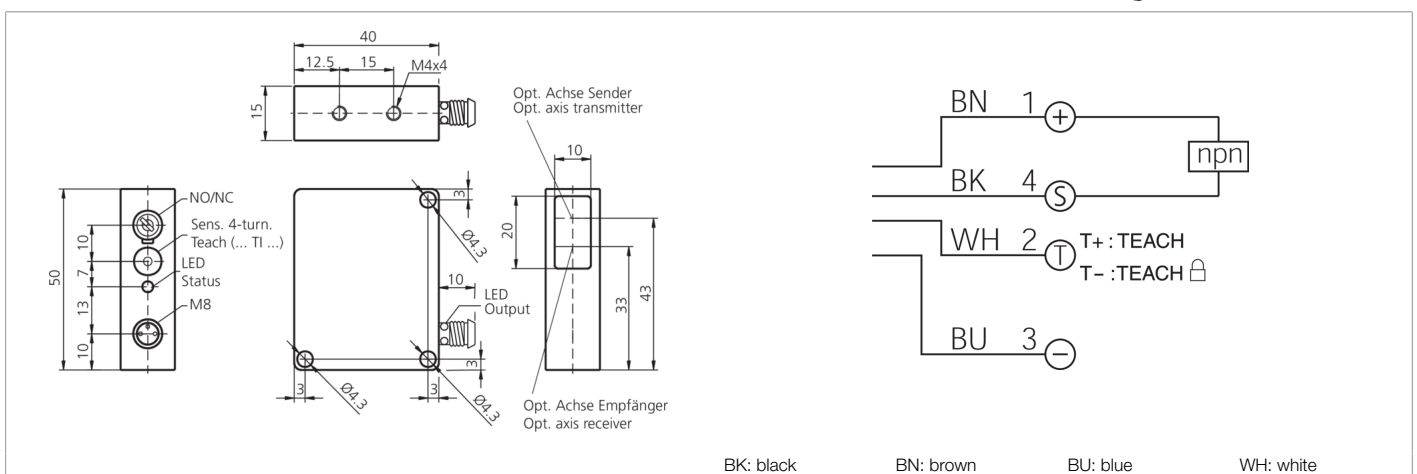


204956

LHTTI 51 M 200 FN3K-TSSL

Laser diffuse sensor with background suppression

- Automatic adjustment of transmitting power
- Red-light laser, with small laser spot
- Teach function
- Remote teach option with key-lock function
- Electronic background suppression
- Functional reserve indicator/contamination indicator
- 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
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	npn, 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
Background suppression	Yes
Light spot size	Ø 1.5 mm



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Laser diffuse sensor with background suppression

Technical data (typ.)	+20°C, 24 V DC
Ambient light immunity	5 kLx
Scanning range	50 ... 200 mm
Switching hysteresis (max.)	6 %
Sensitivity adjustment	Teach button, Remote teach
Switching frequency	500 Hz
Ambient temperature during operation	-10 ... +50 °C
Protection type	IP 67
Connection	Connector, M8, 4-pin
Connection cable	TK ... /4
More information / accessories	https://www.di-soric.com/204956