

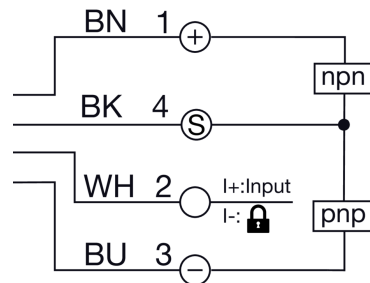
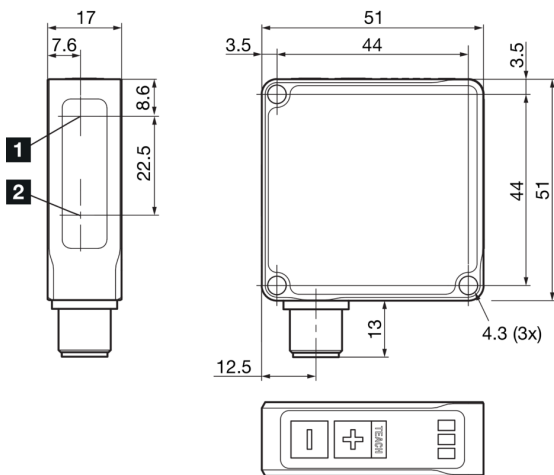


213674

LVHT52-500G3-RB4

Laser distance sensors

- IO-Link
- Accurate detection
- Large detection range
- Foreground and background suppression
- Laser class 1
- Red-light laser, with small laser spot
- Easy to operate
- Robust metal housing
- Radial plug connection



1) Light aperture

2) Receiver

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Service voltage	18 ... 30 V DC
No-load current (max.)	60 mA
Insulation voltage endurance	500 V
Housing dimensions	51 x 51 x 17 mm
Housing material	Die-cast zinc (Black, powder-coated)
Material window / optics	Plastic
Weight	102 g
Protection class	III, operation on protective low voltage
Design	Cuboid design
Characteristics	Radial plug connection
Switching output	Push-pull (1x), 100 mA, NO/NC
Voltage drop (max.)	2 V
Interface	■ IO-Link V1.1, COM2 ■ Smart Sensor Profile
Light source	Laser
Laser class	1 (IEC 60825-1)
Light spot size	Ø 1.0 mm
Measuring range	50 ... 500 mm
Measuring range 1	50 ... 300 mm (6 to 90 % remission)
Measuring range 2	300 ... 500 mm (6 to 90 % remission)


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Resolution		0.3 ... 0.50 mm (0.3 mm at 50 ... 300 mm, mode: standard, mean value 16, 0.5 mm at 300 ... 500 mm, mode: standard, mean value 16)
Reproducibility		0.5 mm
Reproducibility		0.5 mm at 50 ... 300 mm, mode: standard, mean value 16, 1.0 mm at 300 ... 500 mm, mode: standard, mean value 16
Sensitivity adjustment		Keypad
Display		LED Green - Status, yellow - Switching output, Red - Signal weak
Switching frequency		100 Hz (Max. 600 Hz in Speed sensor mode without filter)
Readiness delay (max.)		300 ms
Shock/vibration load		30 g, 10 ... 55 Hz / 0.5 mm
Ambient temperature during operation		0 ... +50 °C
Temperature drift		0.04 %/K
Protection type		IP 67
Connection		Connector, M12, 4-pin
Connection cable		VK ... /5

More information / accessories	https://www.di-soric.com/213674
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