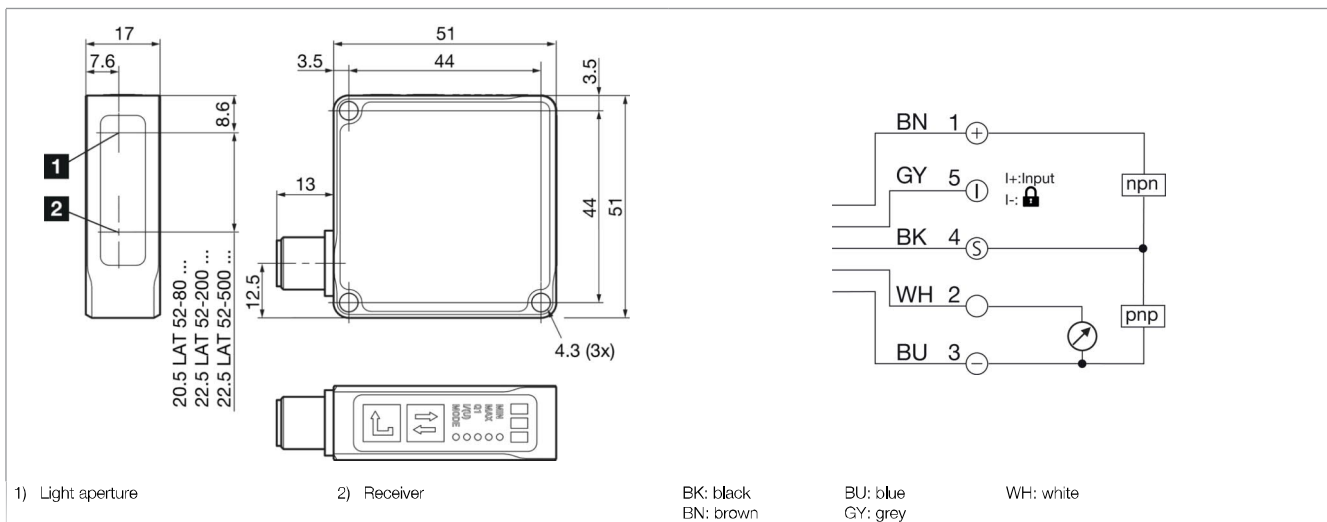


- IO-Link
- Precisely linearized object detection
- Large detection range
- 3 operating modes as an IO-Link parameter
- Laser class 1
- Red-light laser, with small laser spot
- Easy to operate
- Robust metal housing



+20°C, 24 V DC

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212857
LAT52-500IU-B5
Laser distance sensors

Technical data (typ.)	+20°C, 24 V DC
Measuring range	50 ... 500 mm (6 to 90 % remission)
Measuring range 1	50 ... 300 mm (6 to 90 % remission)
Measuring range 2	300 ... 500 mm (6 to 90 % remission)
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
Linearity error	0,22 % (± 1 mm at 50 ... 300 mm, mode: standard, mean value 16, ± 2 mm at 300 ... 500 mm, mode: standard, mean value 16)
Sensitivity adjustment	Keypad
Display	LED Green - Status, yellow - Switching output, Red - Signal weak
Measuring frequency	500 Hz, (max. 1,200 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, 5-pin
Connection cable	VK ... /5
More information / accessories	https://www.di-soric.com/212857