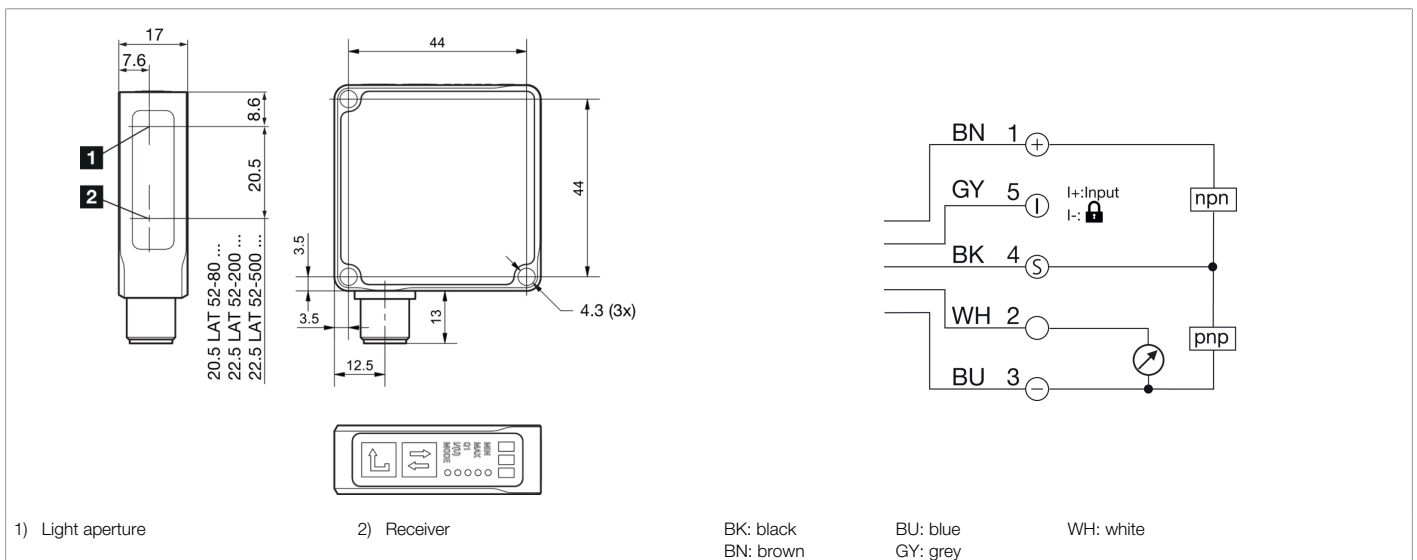




**213056**  
**LAT52-200IU-RB5**  
**Laser distance sensors**

- 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



Function												

Technical data (typ.)		+20°C, 24 V DC
Service voltage		18 ... 30 V DC (Supply Class 2)
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
Operation modes		Standard operating modes: General applications, Speed: Quick measurement (measuring rate 1,200 Hz), Power: For dark objects
Switching output		Push-pull, 100 mA, NO/NC
Voltage drop (max.)		2 V
Analog output		0 ... 10 V, 4 ... 20 mA
Interface		<ul style="list-style-type: none"> <li>■ IO-Link V1.1, COM2</li> <li>■ Smart Sensor Profile</li> </ul>
Light source		Laser (Clocked)
Laser class		1 (IEC 60825-1)



**213056**  
**LAT52-200IU-RB5**  
**Laser distance sensors**

Technical data (typ.)	+20°C, 24 V DC
Color	red
Light spot size	Ø 1.0 mm
Measuring range	50 ... 200 mm (6 to 90 % remission)
Measuring range 1	50 ... 100 mm (6 to 90 % remission)
Measuring range 2	100 ... 200 mm (6 to 90 % remission)
Resolution	0,02 ... 0,05 mm (0.02 mm at 50 ... 100 mm, mode: standard, mean value 16), 0.05 mm with 100 to 200 mm, mode: Standard, median value 16))
Reproducibility	0,05 mm
Reproducibility	0.05 mm at 50 ... 100 mm, mode: standard, mean value 16, ± 0,1 mm at 50 ... 100 mm, Mode: Standard, median value 16
Linearity error	0,07 % (± 0,1 mm at 50 ... 100 mm, Mode: Standard, median value 16, ± 0.2 mm at 100 ... 200 mm, mode: standard, mean value 16)
Sensitivity adjustment	Keypad
Display	LED Green - Status, yellow - Switching output, Red - Signal weak
Measuring frequency	750 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
<b>More information / accessories</b>	<b><a href="https://www.di-soric.com/213056">https://www.di-soric.com/213056</a></b>