

206991

**LAT 61 K 50/20 IUPN**  
**Laser distance sensors**

- High precision
- Fast distance measurement
- Measured values on display
- 2 analog and 3 digital outputs
- Timing/ and multifunction input
- Light design for mounting on moving parts
- Measured values on display



Mittlerer Messabstand (l)  
 Measurement center distance (l)

3.8 57 49.4 4.3 20.4 51.4 60 47.5

Ø 4.5 (2x) Ø 6.85 mm / 5 m 10 x 0.1 mm<sup>2</sup>

1 2 3 4 5 6

1) 5-digit LED DISPLAY / display: Red  
 2) LED alarm display (orange)  
 3) LED LASER EMISSION DISPLAY (green)  
 4) LED OUTPUT  
 5) ENTER key  
 6) UP/DOWN key

ANSCHLUSSSCHEMA siehe DOKUMENTE → Beipackzettel S. 2  
 CONNECTION DIAGRAM see DOCUMENTS → Instruction leaflet p. 2  
 SCHÉMA DE CONNEXION voir DOCUMENTS → Notice d'utilisation p. 2

Function									

Technical data (typ.)	+20°C, 24 V DC
Service voltage	21.6 ... 26.4 V DC
No-load current (max.)	100 mA
Insulation voltage endurance	250 V
Housing dimensions	60 x 57 x 20 mm
Housing material	Plastic
Material window / optics	Plastic
Weight	320 g
Protection class	III, operation on protective low voltage
Design	Cuboid design
Switching output	pnp/npn (3x), 50 mA, NO/NC, configurable
Voltage drop (max.)	2.8 V
Analog output	0 ... 10 V, 4 ... 20 mA
Light source	Laser
Laser class	CLASS 2 LASER PRODUCT, 2 (IEC 60825-1)
Color	Red
Wavelength	665 nm
Light spot size	0.5 x 1.0 mm
Measuring range	40 ... 60 mm



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<b>Technical data (typ.)</b>	<b>+20°C, 24 V DC</b>
Resolution	1.5 µm (Median value 1024)
Linearity error	± 0.02 mm (Median value 1024)
Sensitivity adjustment	Keypad
Display	LED (Output status) Green - Status, yellow - Switching output, Red - Signal weak, orange - Signal weak
Measuring frequency	500 ... 5000 Hz
Ambient temperature during operation	-10 ... +45 °C
Temperature drift	0.08 %/K
Vibration/shock resistance	10 ... 500 Hz / 1.5 mm / 10 G
Protection type	IP 67
Connection	Cable, 5.0 m, 10-pin (Shielded, flying leads)
<b>More information / accessories</b>	<b><a href="https://www.di-soric.com/206991">https://www.di-soric.com/206991</a></b>