



di-soric LLH 51 M 200 G3-T3 Line Laser Diffuse Sensor Owner's Manual

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LLH 51 M 200 G3-T3

Line laser diffuse sensor with background suppression
Owner's Manual

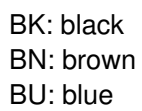
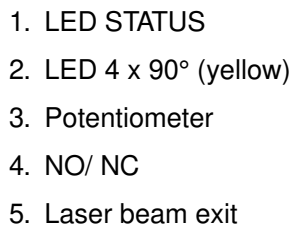
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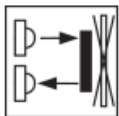
LLH 51 M 200 G3-T3 Line Laser Diffuse Sensor



- Detection of objects with irregular breakouts, breakthroughs or holes
- Detecting non-guided parts
- 30 x 1.5 laser line at a scanning distance of 200 mm
- Automatic adjustment of transmitting power
- Red-light laser
- Laser class 1
- 4-turn potentiometer
- Electronic background suppression
- Light/dark switching
- Robust metal housing



Function



CE

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 ... 35 V DC
No-load current (max.)	25 mA (24 V DC)
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	Glass (Protection optics)
Protection class	III, operation on protective low voltage
Operating principle	Diffuse sensor with background suppression
Evaluation	digital
Design	Cuboid design
Switching output	Push-pull, 200 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Light source	Laser
Laser class	1 (IEC 60825-1)
Color	red
Wavelength	650 nm
Modulation	Clocked
Background suppression	Yes
Ambient light immunity	5 kLx
Scanning range	50 ... 200 mm
Switching hysteresis (max.)	6 %
Sensitivity adjustment	Potentiometer
Display	LED Green – Operation, yellow – Switching output
Switching frequency	500 Hz
Ambient temperature during operation	-10 ... +50 °C
Protection type	IP 67
Connection	Connector, M8, 3-pin
Connection cable	TK ...

More information / accessories



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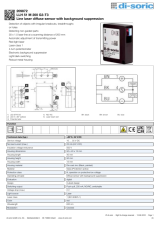
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Documents / Resources

	di-soric LLH 51 M 200 G3-T3 Line Laser Diffuse Sensor [pdf] Owner's Manual LLH 51 M 200 G3-T3 Line Laser Diffuse Sensor, LLH 51 M 200, G3-T3 Line Laser Diffuse Sensor, Laser Diffuse Sensor, Diffuse Sensor, Sensor
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References

- [di-soric – Solutions. Clever. Practical.](#)
- [O-50 Metal](#)