

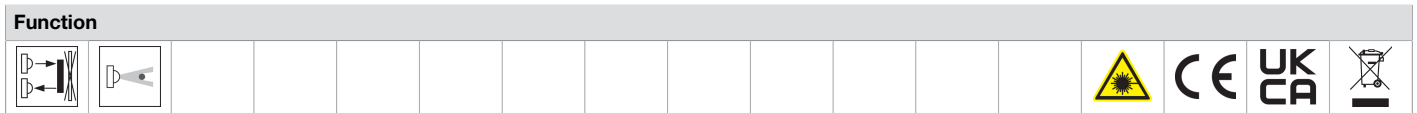
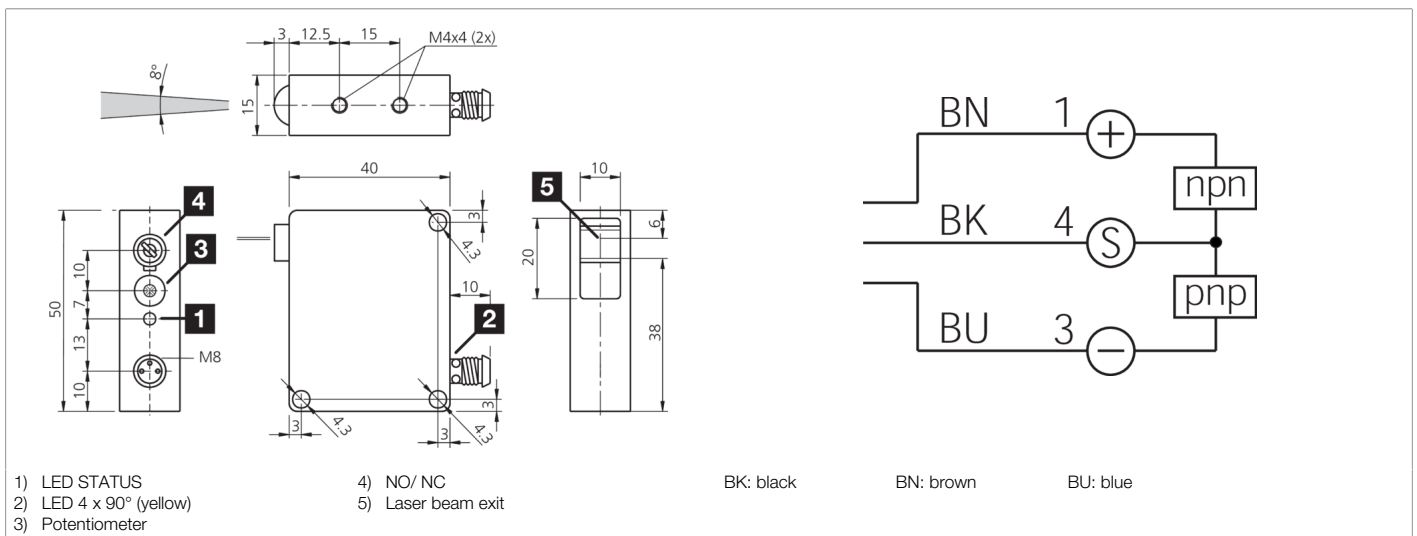


209872

LLH 51 M 200 G3-T3

Line laser diffuse sensor with background suppression

- 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



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		CLASS 1 LASER PRODUCT, 1 (IEC 60825-1:2014 / EN 60825-1:2014)
Color		Red
Wavelength		650 nm (Pp < 2.6 mW t = 10 μs)
Modulation		Clocked

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Technical data (typ.)	+20°C, 24 V DC
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	https://www.di-soric.com/209872