

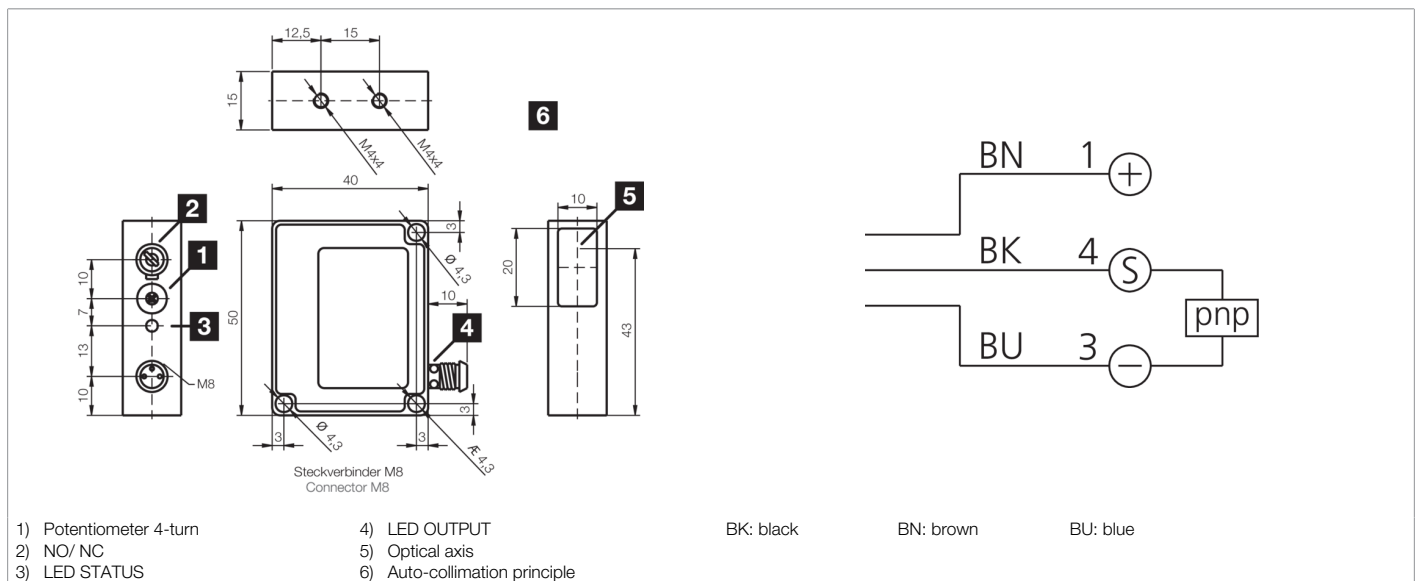


202660

LRV 51 M 1000 P3K-TSSL

Laser retroreflective sensor

- Collimated red-light laser
- Small laser spot and small reflector
- 4-turn potentiometer
- Polarization filter
- High switching frequency
- Bright LED, Connector M8 with ring LED
- Light/dark switching
- Functional reserve indicator/contamination indicator
- Robust metal housing



Function												
												
Technical data (typ.)						+20°C, 24 V DC						
Service voltage						10 ... 35 V DC						
No-load current (max.)						40 mA						
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						PMMA (Window)						
Protection class						III, operation on protective low voltage						
Operating principle						Retroreflective sensor						
Evaluation						digital						
Design						Cuboid design						
Switching output						pnp, 200 mA, NO/NC, switchable						
Voltage drop (max.)						2.8 V						
Light source						Laser						
Laser class						1 (IEC 60825-1)						
Color						red						
Wavelength						650 nm						



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LRV 51 M 1000 P3K-TSSL
Laser retroreflective sensor

Technical data (typ.)	+20°C, 24 V DC
Modulation	Clocked
Ambient light immunity	5 kLx
Range	1000 mm
Resolution	Ø 0.2 mm
Referring reflector	RL 13 x 17 mm (included)
Switching hysteresis (max.)	200 µm
Reproducibility	0.1 mm
Sensitivity adjustment	Potentiometer
Switching frequency	2000 Hz
Response time	2.5 ms
Release time	2.5 ms
Ambient temperature during operation	0 ... +50 °C
Protection type	IP 67
Connection	Connector, M8, 3-pin
Connection cable	TK ...
More information / accessories	https://www.di-soric.com/202660