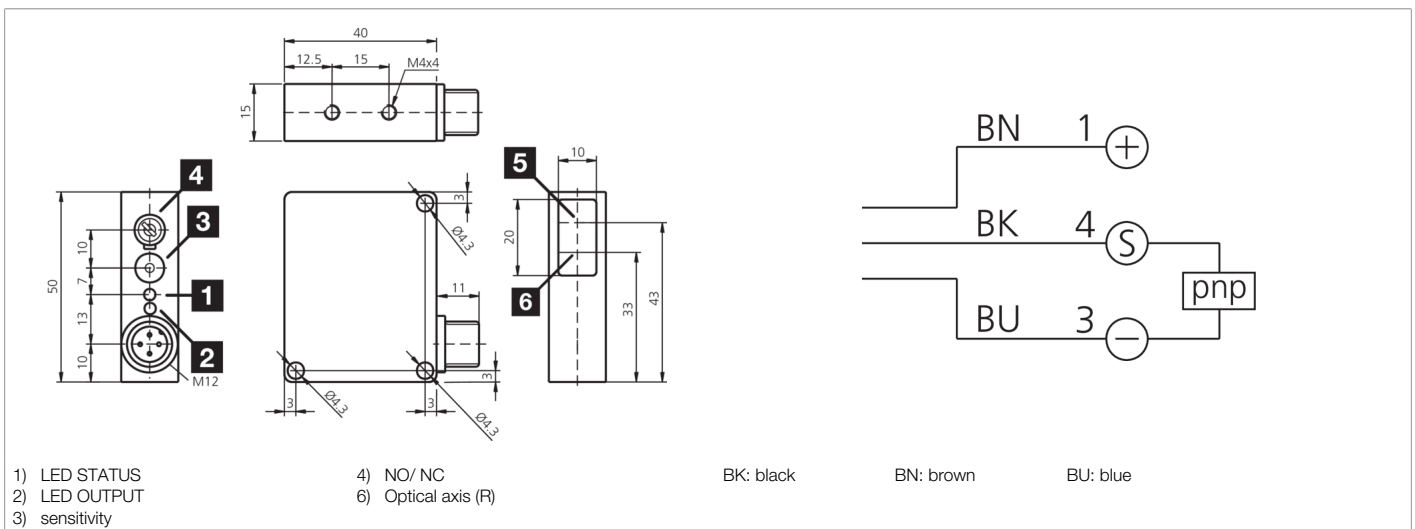




202180
LRVTI 51 M 2000 P3K-IBS
Laser retroreflective sensor

- Teach function
- Collimated red-light laser
- Small laser spot and small reflector
- Polarization filter
- High switching frequency
- Robust metal housing
- Bright LED
- Functional reserve indicator/contamination indicator
- Light/dark switching



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	CLASS 1 LASER PRODUCT, 1 (IEC 60825-1:2014 / EN 60825-1:2014)
Color	Red
Wavelength	650 nm (Pp < 3.3 mW t = 2.8 μs)
Modulation	Clocked



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Technical data (typ.)	+20°C, 24 V DC
Ambient light immunity	5 kLx
Range	2000 mm
Referring reflector	RL 13 x 17 mm (included)
Switching hysteresis (max.)	0.1 mm
Reproducibility	0.05 mm
Sensitivity adjustment	Teach button
Switching frequency	2000 Hz
Ambient temperature during operation	0 ... +50 °C
Protection type	IP 67
Connection	Connector, M12, 3-pin
Connection cable	VK ...
More information / accessories	https://www.di-soric.com/202180