

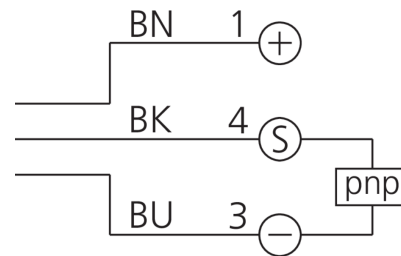
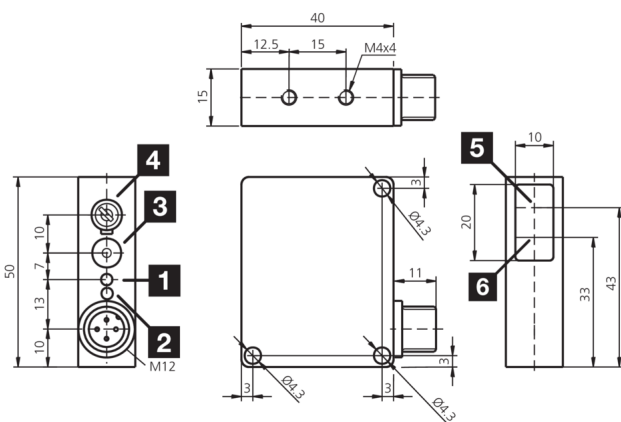


202179

LRV 51 M 2000 P3K-IBS

Laser retroreflective sensor

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



- 1) LED STATUS
2) LED OUTPUT
3) sensitivity

- 4) NO/ NC
6) Optical axis (R)

BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 35 V DC
No-load current (max.)	40 mA
Insulation voltage endurance	500 V

Mechanical features

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)

Certifications, approvals

Protection class	III
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General features

Operating principle	Retroreflective sensor
Evaluation	digital
Design	Cuboid design


202179
LRV 51 M 2000 P3K-IBS
Laser retroreflective sensor
Technical data (typ.)
+20°C, 24 V DC
Output, input, interface

Switching output	pnp, 200 mA, NO/NC, switchable
Voltage drop (max.)	2.8 V

Optical data

Light source	Laser
Laser class	CLASS 1 LASER PRODUCT, (IEC 60825-1:2014 / EN 60825-1:2014)
Color	Red
Wavelength	650 nm (Pp < 0.5 mW t = 1.6 µs)
Modulation	Clocked
Ambient light immunity	5 kLx

Detection range, measuring range, tolerance limits

Range	2000 mm
Referring reflector	RL 13 x 17 mm (included)

Display, operation

Sensitivity adjustment	Potentiometer
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Time behavior

Switching frequency	2000 Hz
Response time	2.5 ms
Release time	2.5 ms

Ambient conditions

Ambient temperature during operation	0 ... +50 °C
Protection type	IP 67

Electrical connection

Connection	Connector, M12, 3-pin
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Accessories

Connection cable	VK ...
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More information / accessories
<https://www.di-soric.com/202179>