

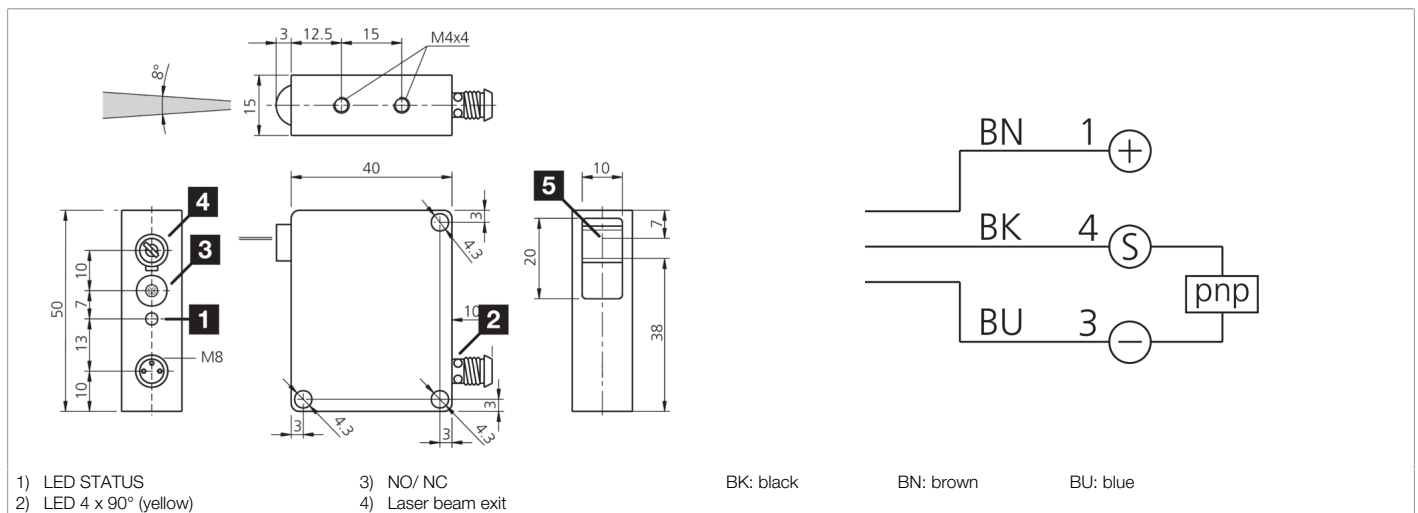


203049

LLRV 51 M 500 P3K-TSSL

Line laser retroreflective sensor

- Fan-shaped laser beam with auto-collimation principle
- Detection of smallest parts within the entire active zone
- Red-light laser
- 4-turn potentiometer
- Robust metal housing



Function







Technical data (typ.)	+20°C, 24 V DC
Electrical features	
Service voltage	10 ... 35 V DC
No-load current (max.)	30 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
General features	
Operating principle	Retroreflective sensor
Evaluation	digital
Design	Cuboid design


203049
LLRV 51 M 500 P3K-TSSL
Line laser retroreflective sensor
Technical data (typ.)
+20°C, 24 V DC
Output, input, interface

Switching output pnp, 200 mA, NO/NC, switchable

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 < 1.0 mW t = 2.7 µs)

Modulation Clocked

Ambient light immunity 15 kLx

Detection range, measuring range, tolerance limits

Range 50 ... 500 mm

Resolution 25.0 ... 100 % (Light band cover)

Display, operation

Sensitivity adjustment Potentiometer

Time behavior

Switching frequency 750 Hz

Ambient conditions

Ambient temperature during operation +5 ... +50 °C

Protection type IP 67

Electrical connection

Connection Connector, M8, 3-pin

Accessories

Connection cable TK ...

More information / accessories
<https://www.di-soric.com/203049>