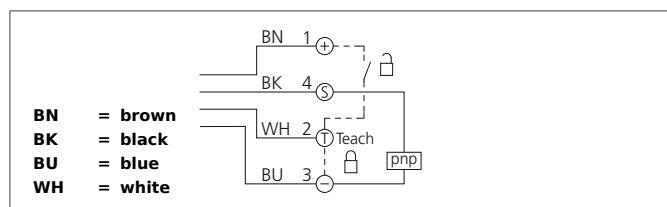


LTVTI 51 M 600 FP3K-IBS

Laser Diffuse Sensor

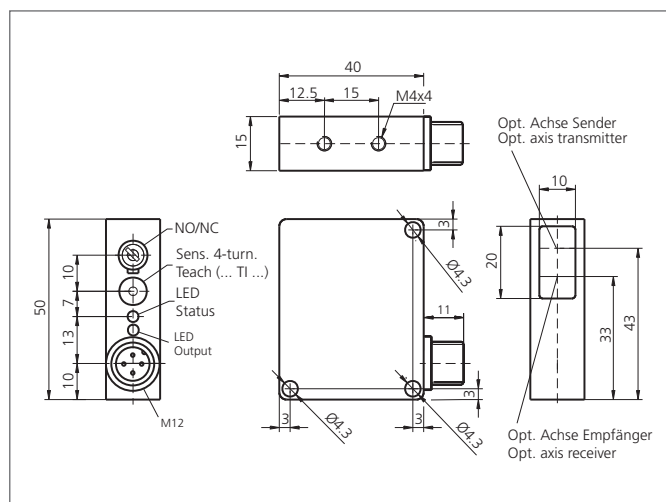


- Red light laser, with small laser spot
- Teach function
- Remote teach option with key-lock function
- Functional reserve indicator/contamination indicator
- Bright LED
- Light/dark switching



Safety instructions

Inproper use may result in hazardous radiation exposure. Pay attention to accident prevention rules and laser class. The instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments. These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)	
Operating principle	+20°C, 24V DC
Evaluation	Diffuse reflective sensor
Size	digital
Design	50 x 40 x 15 mm (Dimensions)
Emitted light	cuboid design
Laser class	Red light laser, 650 nm, clocked
Service voltage	1 (IEC 60825-1)
Internal power consumption	10 ... 35 V DC
background suppression	30 mA
Diameter of light spot	no
Operating distance	Ø 1,5 mm
Sensitivity adjustment	100 ... 600 mm
Switching output	Teach key + remote teach
Switching hysteresis	pnp, 200 mA, NO/NC, switchable
Switching frequency	< 10 %
Reproducibility	500 Hz
Ambient temperature	< 2 %
Ambient light immunity	-10 ... +50 °C
Insulation voltage endurance	5 kLx
Protection class	500 V
Protection degree	IP 67
Casing material	III, operation on protective low voltage
Material	Die-cast zinc black lacquered finish
	polycarbonate (Window)

LTVTI 51 M 600 FP3K-IBS

Laser Diffuse Sensor



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Connection		Connector, M12, 4-poled
Connecting cable		VK ...