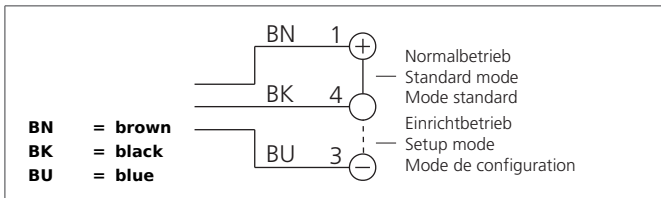


OLS 18 V 50000-TSSL Laser Through Beam Sensor, Transmitter

- High operating distance with a small design
- High resolution, switching accuracy, switching frequency
- Robust metal casing
- Contamination indicator
- Visible laser spot
- Transmit power adjustable by potentiometer



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.)	+20°C, 24V DC
Operating principle	Through beam sensors, transmitter
Evaluation	digital
Size	M18 x 1 (thread)
Design	screw
Emitted light	Red light laser, 670 nm, clocked
Laser class	2 (IEC 60825-1)
Service voltage	15 ... 28 V DC
Internal power consumption	< 15 mA
Transmitting power adjustment	Potentiometer
Operating distance	0 ... 50.000 mm
Resolution	Ø 1,0 mm
Sensitivity adjustment	potentiometer
Switching hysteresis	< 0,3 mm
Switching frequency	1.200 Hz
Laser beam divergency	0,6 mrad
Laser direction error	< 10 mrad
Laser power	900 µW
Ambient temperature	+5 ... +45 °C
Ambient light immunity	10 kLx
Insulation voltage endurance	500 V
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	stainless steel

OLS 18 V 50000-TSSL
Laser Through Beam Sensor,
Transmitter

TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Connection	Connector, M8, 3-poled
Connecting cable	TK ...