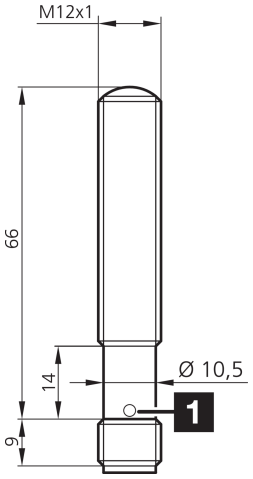
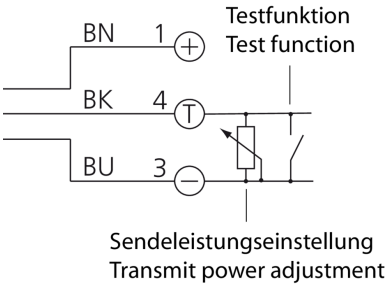
203746
OSP 12 VLF-IBSL
High performance light barrier, transmitter

- Range up to 20 m
- Transmit power with external resistance adjustable
- High function reserve
- Extremely dirt-resistant
- Easy adjustment
- Different designs to be combined
- High protection type
- Compact design





1) LED

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.)	55 mA
Mechanical features	
Thread	M12 x 1
Housing length	66 mm
Housing material	Stainless steel (V2A 1.4301 / AISI 304)
Certifications, approvals	
Protection class	III, operation on protective low voltage
General features	
Operating principle	Through-beam sensor, transmitter
Evaluation	digital
Design	Thread
Characteristics	High transmit power and dirt penetration
Consisting of	Transmitter

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Technical data (typ.)	+20°C, 24 V DC
Optical data	
Light source	LED
Color	Infrared
Wavelength	870 nm
Modulation	Clocked
Deflection angle FWHM	15°
Detection range, measuring range, tolerance limits	
Range	0 … 20000 mm (dependent on the receiver)
Display, operation	
Sensitivity adjustment	no setting elements
Ambient conditions	
Shock/vibration load	30 g, 11 ms / 10 … 55 Hz, 2.0 mm
Ambient temperature during operation	-20 … +60 °C
Protection type	IP 67 / IP 68 / IP 69K
Electrical connection	
Connection	Connector, M12, 3-pin

More information / accessories	https://www.di-soric.com/203746

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