



**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



Testfunktion  
Test function

Sendeleistungseinstellung  
Transmit power adjustment

1) LED BK: black BN: brown BU: blue

Function										

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 ... 35 V DC
No-load current (max.)	55 mA
Thread	M12 x 1
Housing length	66 mm
Housing material	Stainless steel (V2A 1.4301 / AISI 304)
Protection class	III, operation on protective low voltage
Operating principle	Through-beam sensor, transmitter
Evaluation	digital
Design	Thread
Characteristics	High transmit power and dirt penetration
Consisting of	Transmitter
Light source	LED
Color	Infrared
Wavelength	870 nm
Modulation	Clocked
Deflection angle FWHM	15°
Range	0 ... 20.000 mm (dependent on the receiver)
Sensitivity adjustment	no setting elements
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 2,0 mm
Ambient temperature during operation	-20 ... +60 °C



203746

OSP 12 VLF-IBSL

High performance light barrier, transmitter

**Technical data (typ.)**

**+20°C, 24 V DC**

Protection type

IP 67 / IP 68 / IP 69K

Connection

Connector, M12, 3-pin

**More information / accessories**

<https://www.di-soric.com/203746>