



204156
OSP 12 VHF-IBSL
High performance light barrier, transmitter

- Long range
- 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
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	6°
Range	0 ... 50000 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



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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/204156>