



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 |
|--------------------------------------|--------------------------------------------|
| 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 ... 20000 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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+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>