



**204084**  
**OSPQ 12 MLF-TSSL**  
**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



Technical drawings showing front and side views of the transmitter with dimensions: 82 mm total length, 12 mm width, 10 mm distance between LEDs, 15 mm distance from bottom LED to base, 9 mm base height, 53 mm distance between LED centers, 4 mm distance from top LED to top edge, 12 mm top diameter, 4 mm diameter of the adjustment screw, 3.3 mm diameter of the mounting hole, and 6.0 mm diameter of the base. A callout '1' points to the LED.

Wiring diagram showing terminals BN (1, +), BK (4, T), and BU (3, -). It includes a switch for 'Testfunktion' and a potentiometer for '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
Housing dimensions	82 x 12 x 12 mm
Housing length	82 mm
Housing height	12 mm
Housing width	12 mm
Housing material	Aluminum (Anodized)
Protection class	III, operation on protective low voltage
Operating principle	Through-beam sensor, transmitter
Evaluation	digital
Design	Cuboid design
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



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**Technical data (typ.)**

**+20°C, 24 V DC**

Shock/vibration load

30 g, 11 ms / 10 ... 55 Hz, 2.0 mm

Ambient temperature during operation

-20 ... +60 °C

Protection type

IP 67

Connection

Connector, M8, 3-pin

**More information / accessories**

<https://www.di-soric.com/204084>