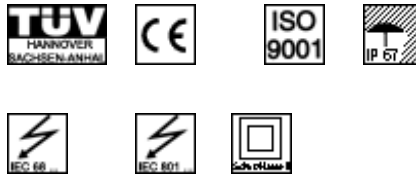


## SLSR 95/44.8L

### Through-beam Safety Light Barriers (AOPD type 2)



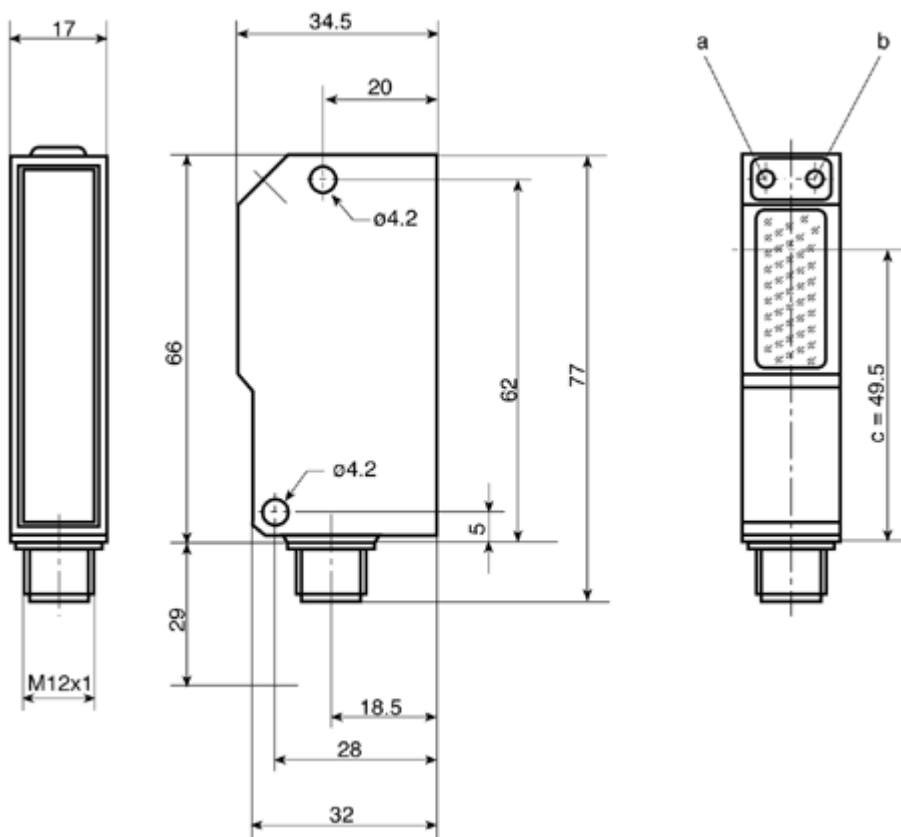
### SLSR 95/44.8L

In conjunction with a test monitoring unit, such as for instance the TNT 35 or MSI-s/R, this opto-sensor with test input constitutes an active optoelectronic protective device of type 2.

### Advantages

- Through-beam safety light barrier with high function reserve in visible red light
- Micro design with glass cover and sturdy housing of die casted zinc in enclosure rating IP 67 for industrial use
- Activating input for function test
- Antibonding switching outputs for bright/dark switching and/or as control function
- 2 display LEDs in transmitter and receiver for status display during alignment and operation
- Continuous fastening holes and M12 circular plug-in connections for quick mounting
- EC conformity declaration for safety components according to EC machine regulation annex II,C

**SLSR 95/44.8L**  
Dimensional Drawings

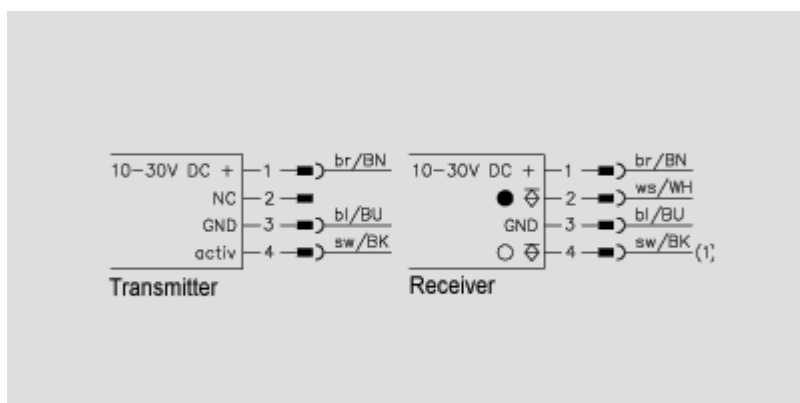


- a) Switching display yellow
- b) Operation display green
- c) Optical axis

## SLSR 95/44.8L

### Electrical Connection

Connection example SLSR/44.8L



1) For operation with test monitoring units of Leuze lumiflex light barrier must be connected in bright switching.

**SLSR 95/44.8L**  
**Technical Data**

Safety Light Barrier	SLSR 95/44.8L
Safety category	Type 2 according to EN-/IEC 61496-1,-2 in combination with a test monitoring unit.
Operating range <sup>1)</sup>	0 - 8 m
Limit range <sup>2)</sup>	0 - 12 m
Response time	2,5 ms
Stand-by delay	≤ 100 ms
Enclosure rating	IP 67
Shock proof	Semi sine, 30 gn, 11 ms (VDE 0660 T 208)
Vibration proof	10 - 55 Hz, max. 7,5 gn (VDE 0660 T 208)
Electronic compatibility	prEN 50100-1
Transmitter active, not active	≥ 8 V / ≤ 2 V or without switches
Activation/release delay	≤ 1 ms
Input resistance	4,7 kΩ ± 10 %
Ambient temperature (operation/storage) <sup>3)</sup>	-25 °C (-30 °C) ... +60 °C / -40 °C ... +70 °C
External light limit	≥ 20 kLux (VDE 0660 T 208)
Protective cabling <sup>4)</sup>	2, 3
VDE-Protection class <sup>5)</sup>	II, protection isolated
Operation voltage U <sub>B</sub>	10... 30 V DC (incl. Residual ripple)
Residual ripple	≤ 15 % von U <sub>B</sub>
No-load current	≤ 35 mA
Switching output	2 pnp-transistor outputs, antibonding
Output current	max. 100 mA
Function	bright/dark switching
Signal voltage high/low	≥ (U <sub>B</sub> - 2 V) / ≤ 2 V
Connection	M 12 circular plug-in connection, high quality steel 4-pin receiver, 4-pin transmitter
Function	bright/dark switching
Weight	90 g
Light source	LED (alternating light)
Wave length	660 nm
Switching frequency	200 Hz
Receiver LED green LED yellow LED yellow blinkend	Ready for operation Light path free Light path free, no functional reserve
Transmitter LED green LED yellow	Ready for operation Transmitter ON
Housing	Zinc die casting
Optical parts	Glass

- 1) Operating range: recommended Range with functional reserve
- 2) Limit range: max. possible range without function range
- 3) -30° C with constant operating voltage
- 4) 2 = pole reversal protection, 3 = short circuit protection for all outputs
- 5) Testing voltage 250 V AC

**Note:**

The through-beam safety light barrier is an electro-sensitive protective device in connection with a safety relevant control system where the cyclical testing of transmitter and receiver is carried out according to EN-/IEC 61496-1, -2, category 2 (testing). The supply unit operating the light barrier must intercept changes and interruption of the supply voltage according to EN-/IEC 61496-1. Minimum diameter of darkening object Ø 13 mm.