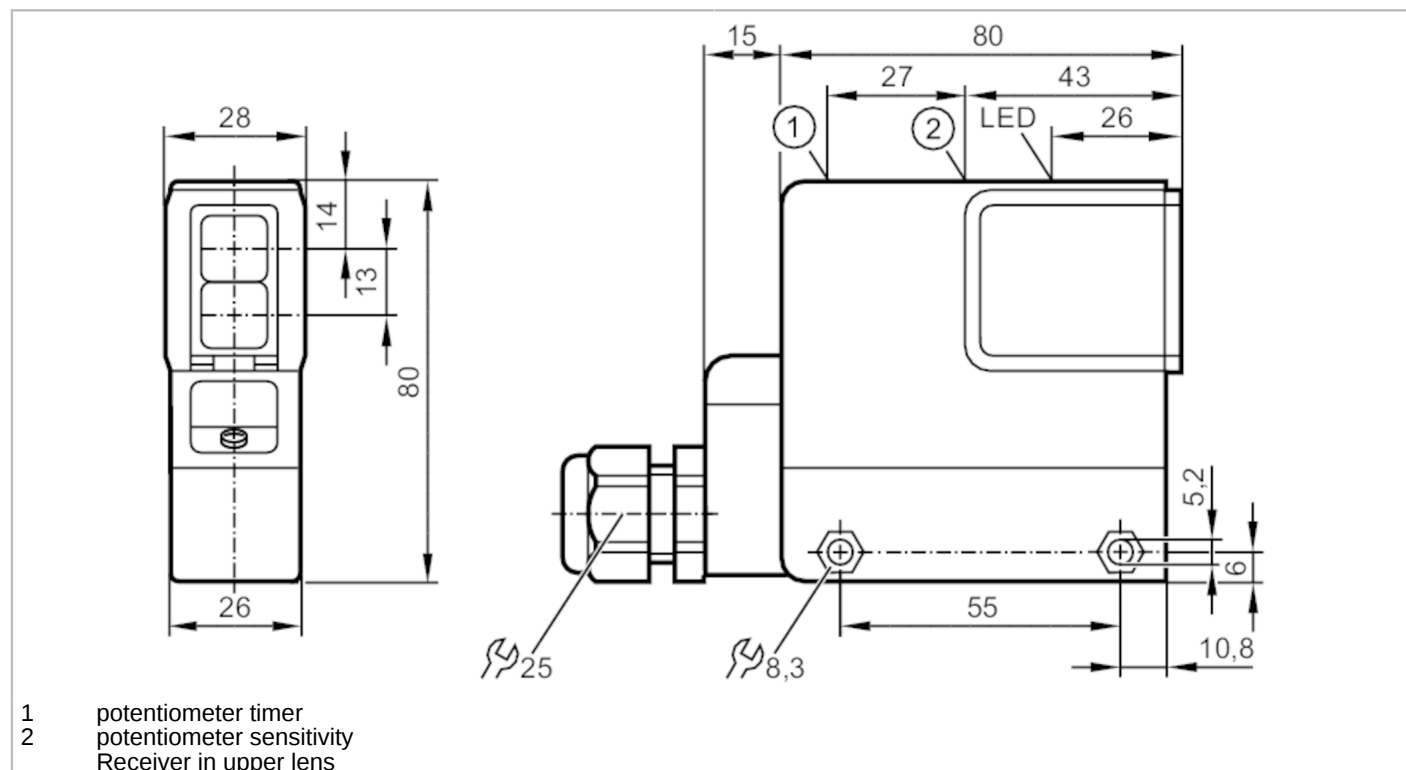




## Through-beam sensor receiver

OSE-FBOA



## Product characteristics

Type of light	Infrared light
Housing	rectangular

## Application

Function principle	Through-beam sensor
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## Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

## Outputs

Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	10.5
Max. voltage drop switching output AC	[V]	10.5
Minimum load current	[mA]	15
Max. leakage current	[mA]	4
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	250; (350 (...50 °C))



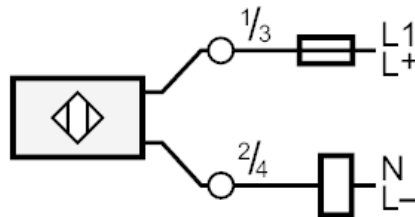
## Through-beam sensor receiver

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Short-time current rating of switching output	[mA]	2200; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	100
Short-circuit proof		no
Overload protection		no
<b>Monitoring range</b>		
Transmitter / receiver		receiver
Range	[m]	< 20
Range adjustable		yes
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...80
Protection		IP 65
<b>Tests / approvals</b>		
EMC		EN 60947-5-2
MTTF	[years]	300
<b>Mechanical data</b>		
Weight	[g]	277
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Material		PPO modified
Lens material		glass
Lens alignment		Side sensing
<b>Displays / operating elements</b>		
Display	Switching status	1 x LED, yellow
<b>Electrical connection</b>		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
<b>Accessories</b>		
Items supplied		Angle bracket: 1, E20210 screwdrivers
<b>Remarks</b>		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

**Through-beam sensor receiver**

OSE-FBOA

**Electrical connection**terminals: ...1.5 mm<sup>2</sup>; Cable gland: M20 X 1.5**Connection**

Note : miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting