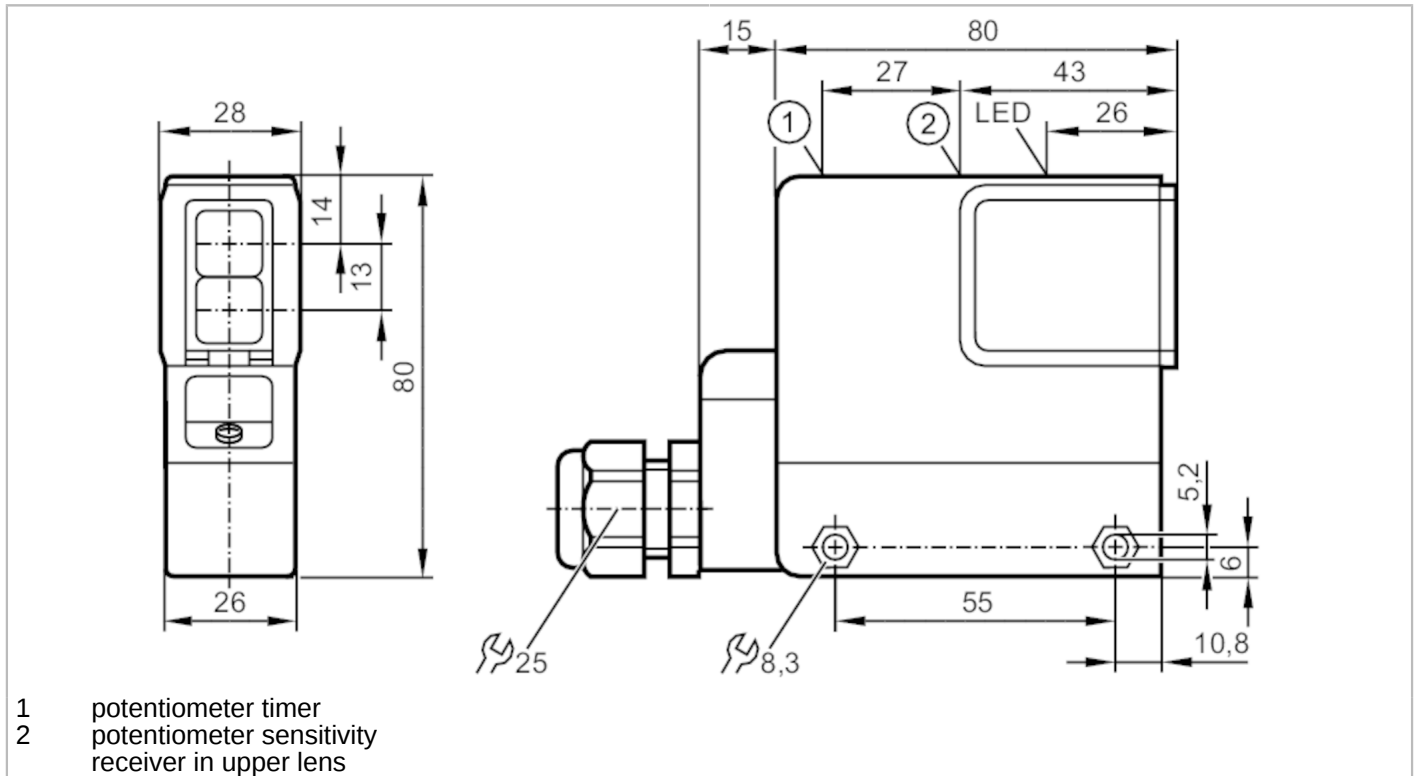


# OS0023



## Through-beam sensor receiver

OSE-FBOA



Product characteristics	
Type of light	infrared light
Housing	rectangular
Dimensions [mm]	80 x 28 x 95
Application	
Function principle	Through-beam sensor
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



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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))
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
Detection zone	
Transmitter / receiver	receiver
Range [m]	< 20
Range adjustable	yes
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	300
Mechanical data	
Weight [g]	276.5
Housing	rectangular
Dimensions [mm]	80 x 28 x 95
Materials	PPO modified
Lens material	glass
Lens alignment	side lens
Displays / operating elements	
Display	switching status
	1 x LED, yellow
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Accessories (supplied)	Angle bracket: 1 x, E20210 screwdrivers
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

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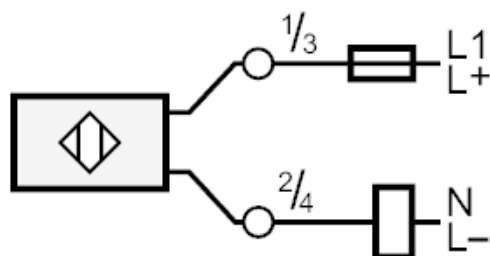
## Through-beam sensor receiver

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