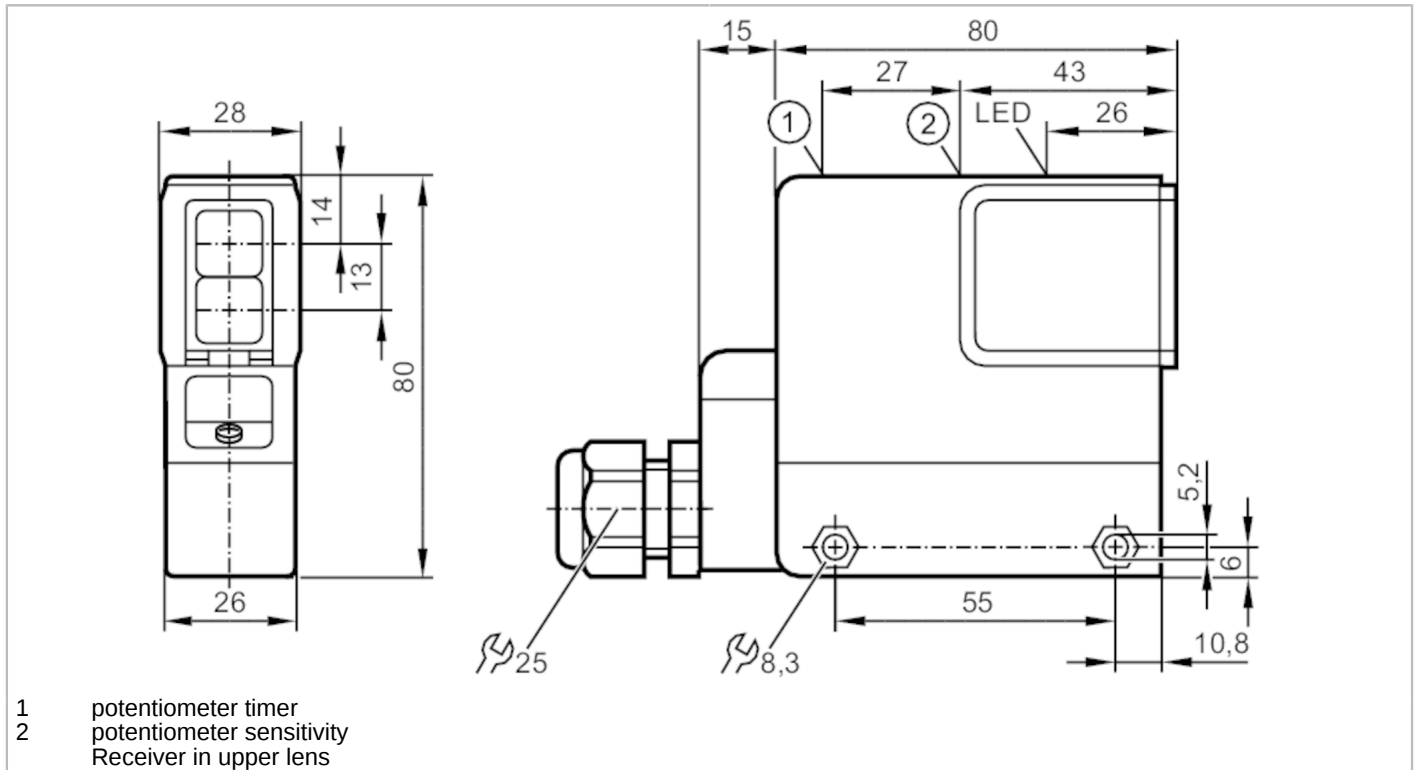




Through-beam sensor receiver

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))

OS0023



Through-beam sensor receiver

OSE-FBOA

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

Monitoring range

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]	277
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Material		PPO modified
Lens material		glass
Lens alignment		Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Electrical connection

Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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Accessories

Items supplied		Angle bracket: 1, E20210 screwdrivers
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Remarks

Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

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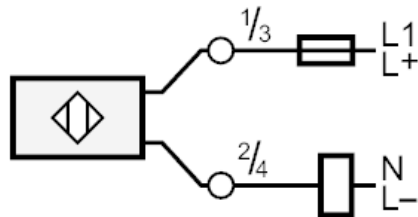
Through-beam sensor receiver

OSE-FBOA

Electrical connection

terminals: ...1.5 mm²; Cable gland: M20 X 1.5

Connection



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