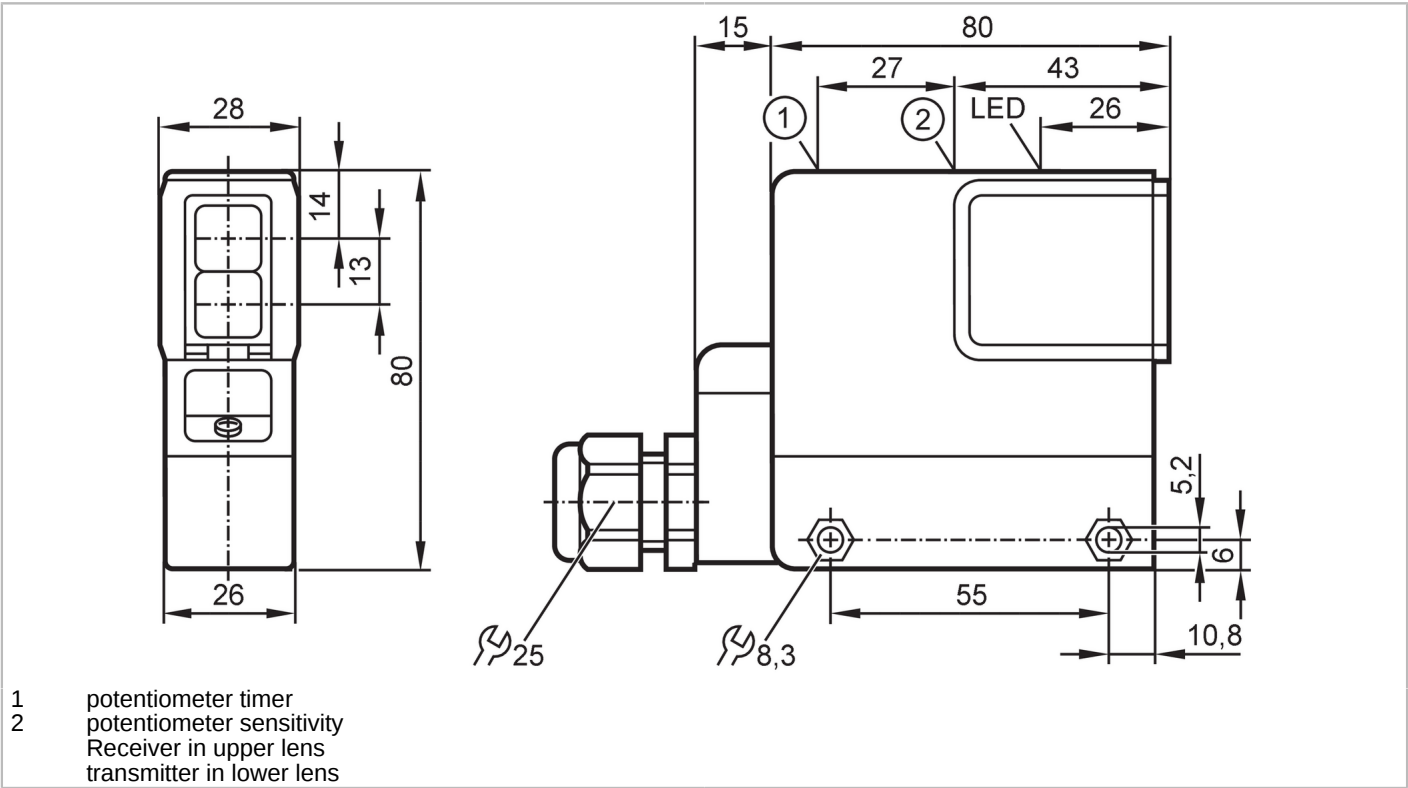




Retro-reflective sensor

OSP-FBOA



Product characteristics

Type of light	red light
Housing	rectangular

Application

Special feature	polarization filter
Function principle	Retro-reflective sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Type of light		red light
Wave length	[nm]	660

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]	6
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))



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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]	25
Short-circuit proof		no
Overload protection		no

Monitoring range

Range referred to prismatic reflector	[m]	6; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Polarization filter available		yes

Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 65

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	302

Mechanical data

Weight	[g]	277.5
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Material		housing: PPO modified
Lens material		front lens: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

Remarks

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



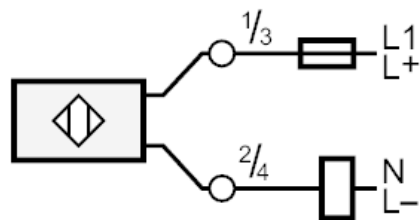
Retro-reflective sensor

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Electrical connection

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

Connection



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