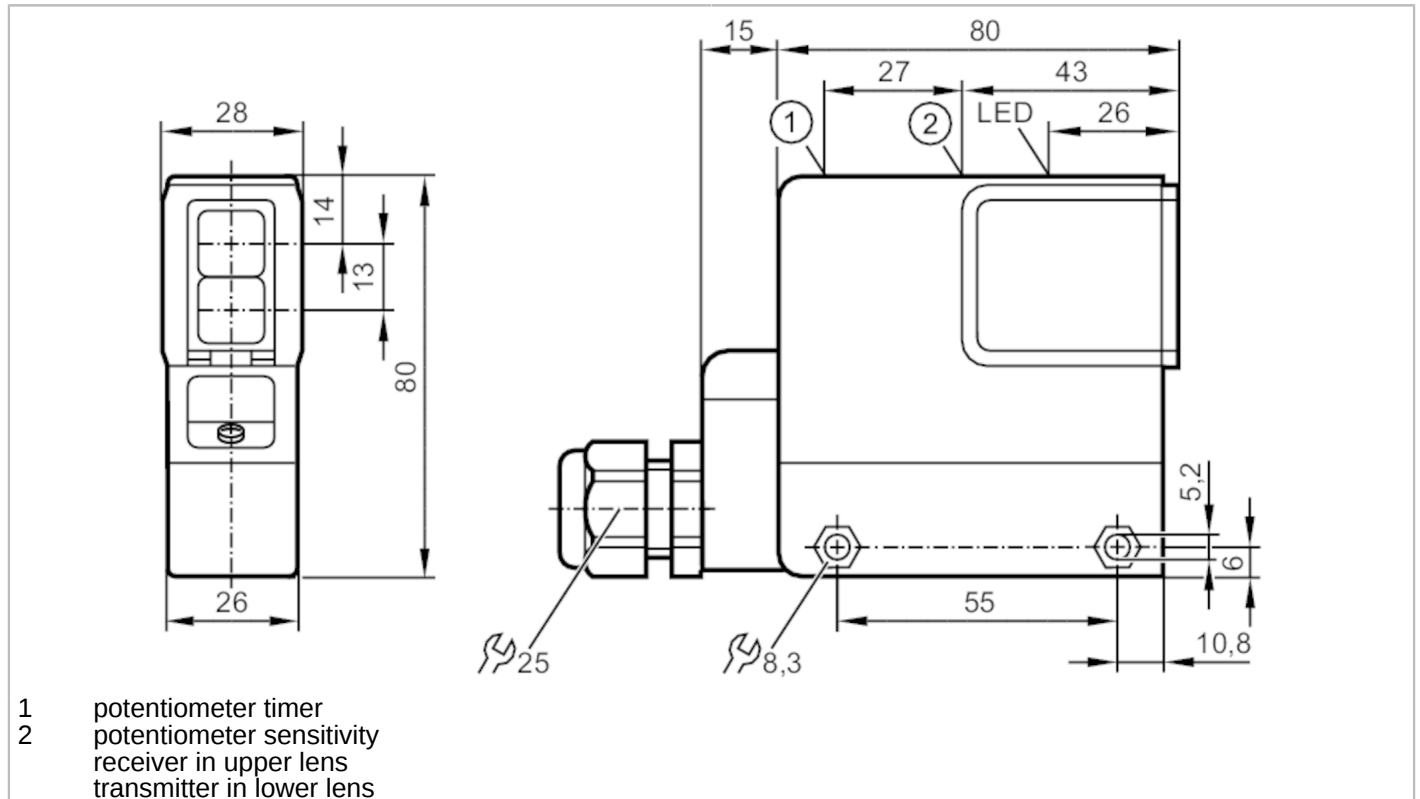


# OS0025



## Retro-reflective sensor

OSR-FBOA



Application	
Function principle	Retro-reflective sensor
Electrical data	
Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	no
Type of light	infrared light
Wave length [nm]	950
Outputs	
Output function	light-on/dark-on mode; (programmable)
Minimum load current [mA]	15
Max. leakage current [mA]	6
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]	250
Switching frequency DC [Hz]	250
Short-circuit proof	no
Overload protection	no

# OS0025



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OSR-FBOA

Detection zone		
Range referred to prismatic reflector	[m]	10; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	302
Mechanical data		
Weight	[g]	273.4
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.

# OS0025



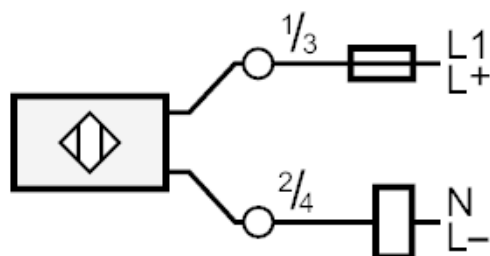
## Retro-reflective sensor

OSR-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