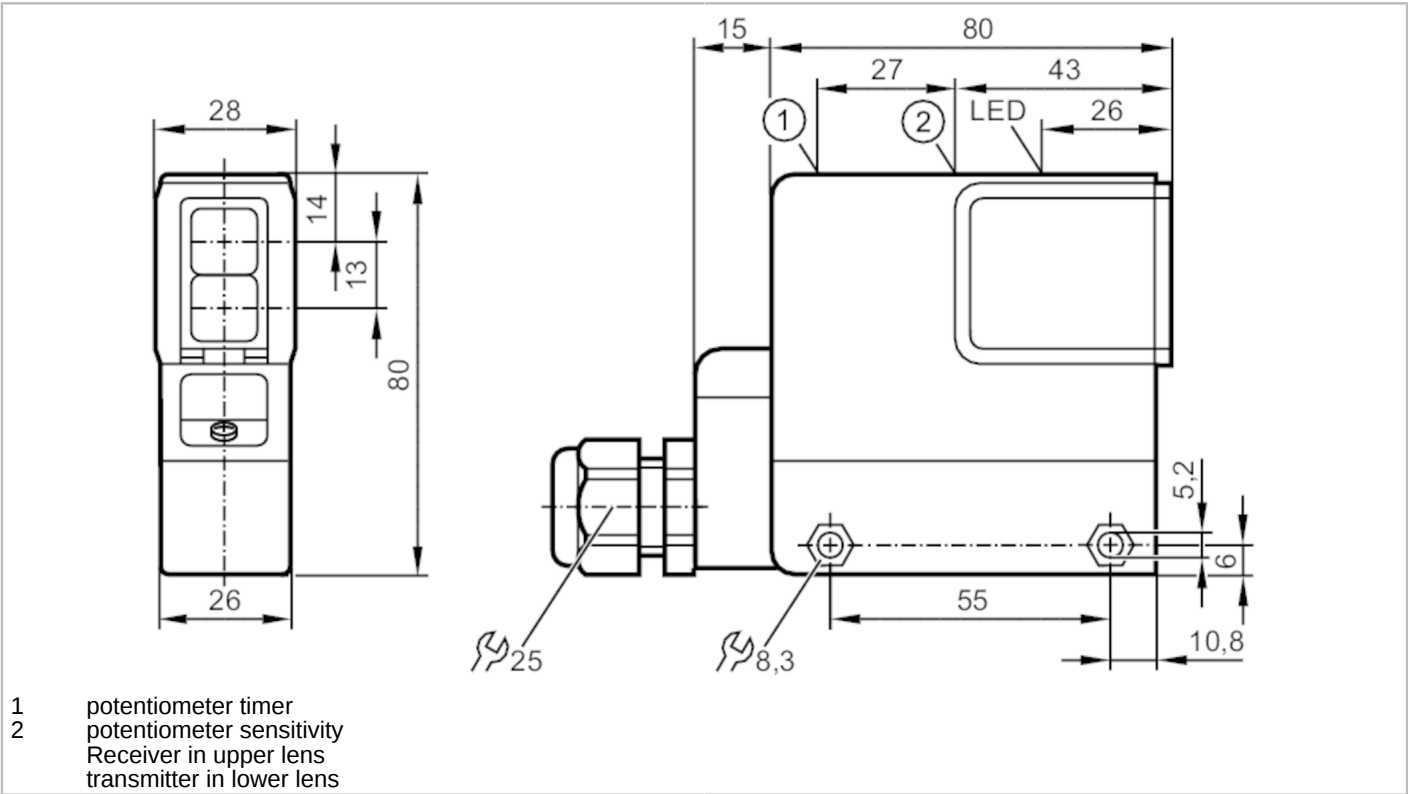




Retro-reflective sensor

OSR-FBOA



Product characteristics	
Type of light	Infrared light
Housing	rectangular
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



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Short-circuit proof	no
Overload protection	no
Monitoring range	
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]	268
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
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
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.



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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 $\leq$ 2 A fast acting