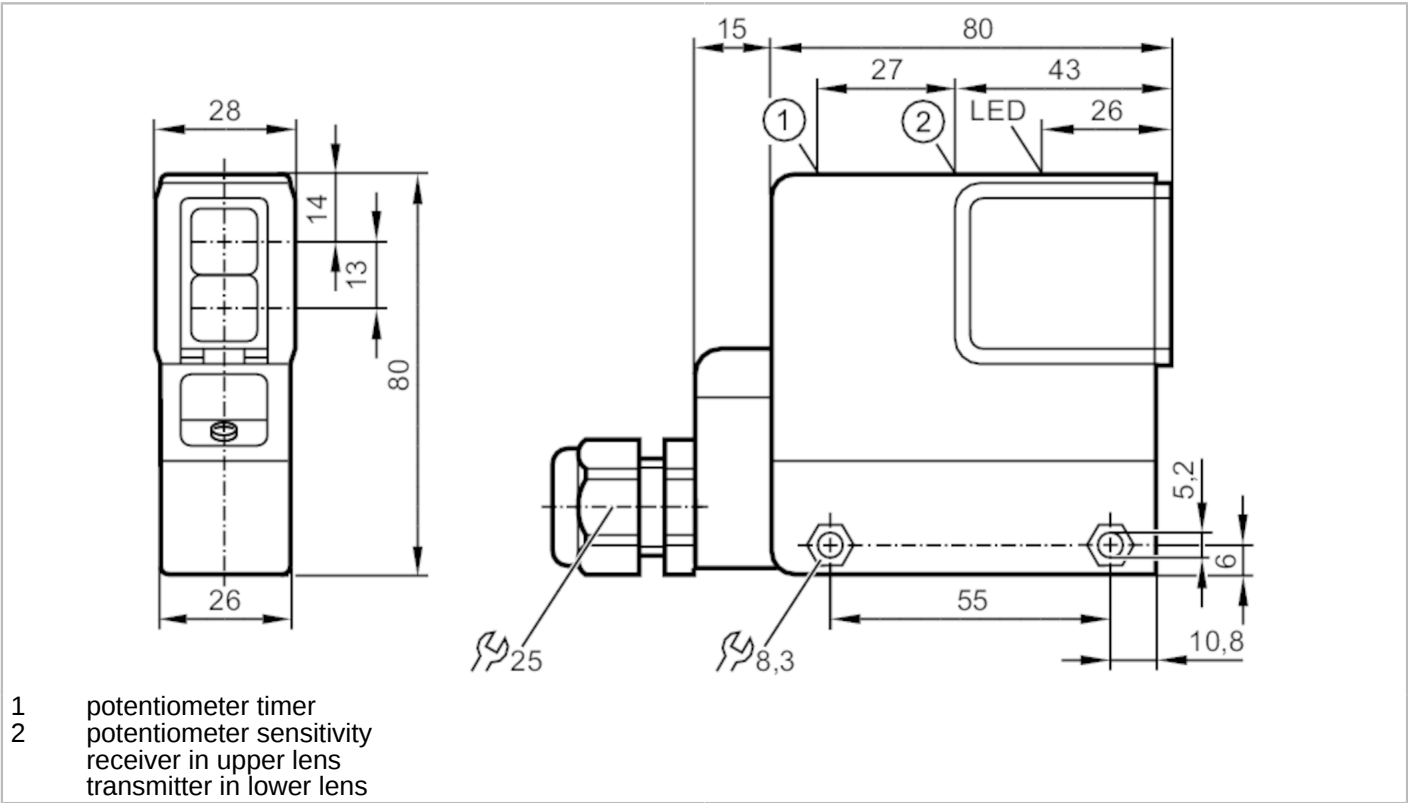




Retro-reflective sensor

OSP-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	red light
Wave length [nm]	660



Retro-reflective sensor

OSP-FBOA

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))	
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	
Detection zone		
Range referred to prismatic reflector [m]	6; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Polarisation 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]	263.6	
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.	



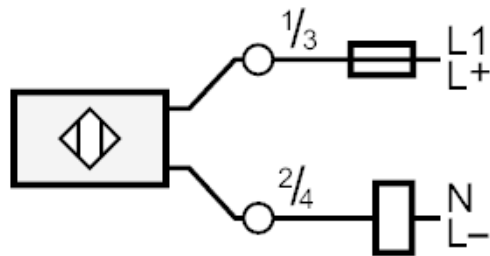
Retro-reflective sensor

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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 $\leq$ 2 A fast acting