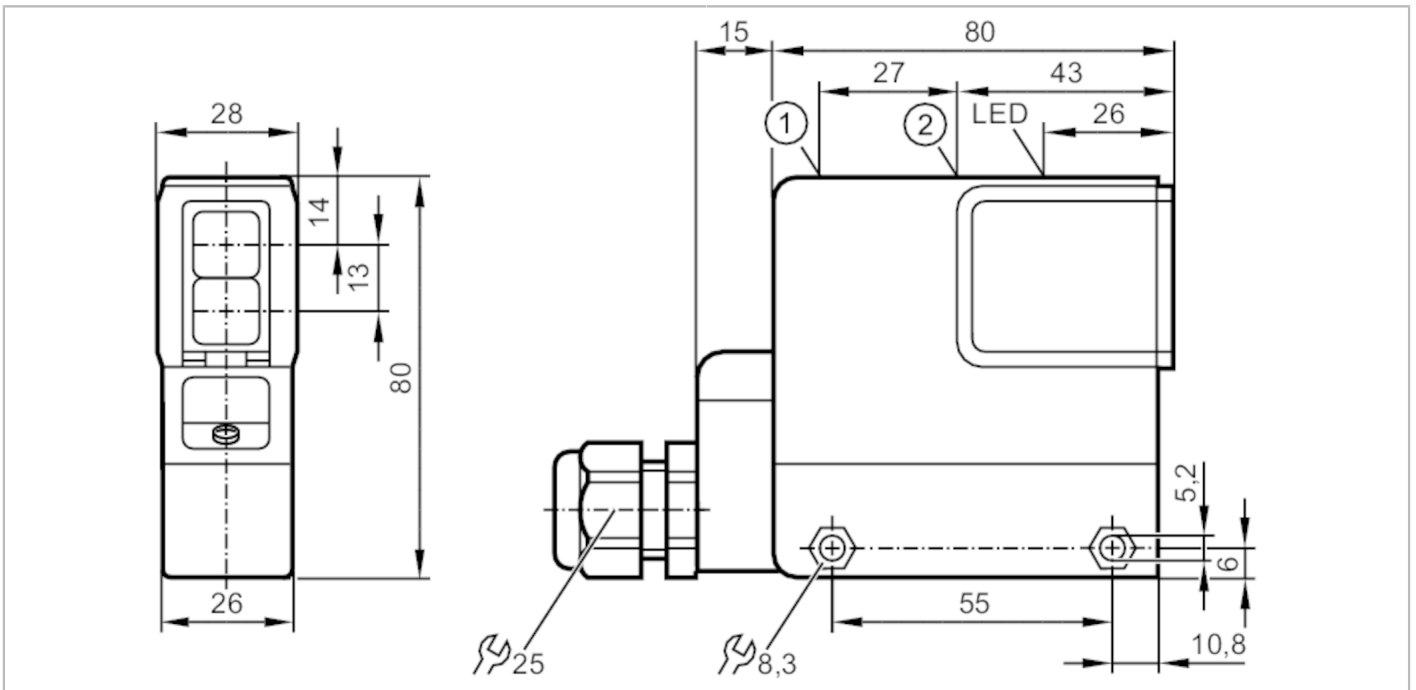
OS0033

Retro-reflective sensor

OSP-FBOA



1 potentiometer timer
2 potentiometer sensitivity
receiver in upper lens
transmitter in lower lens

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarisation filter
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
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	
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]	277.5	
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			
Items supplied		Angle bracket: 1, E20210	
		screwdrivers	
Remarks			
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.	

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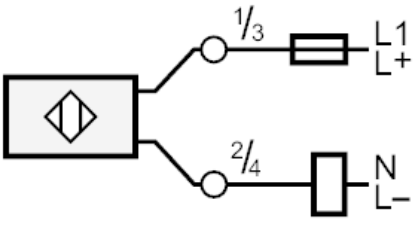
Electrical connection

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

Connection



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