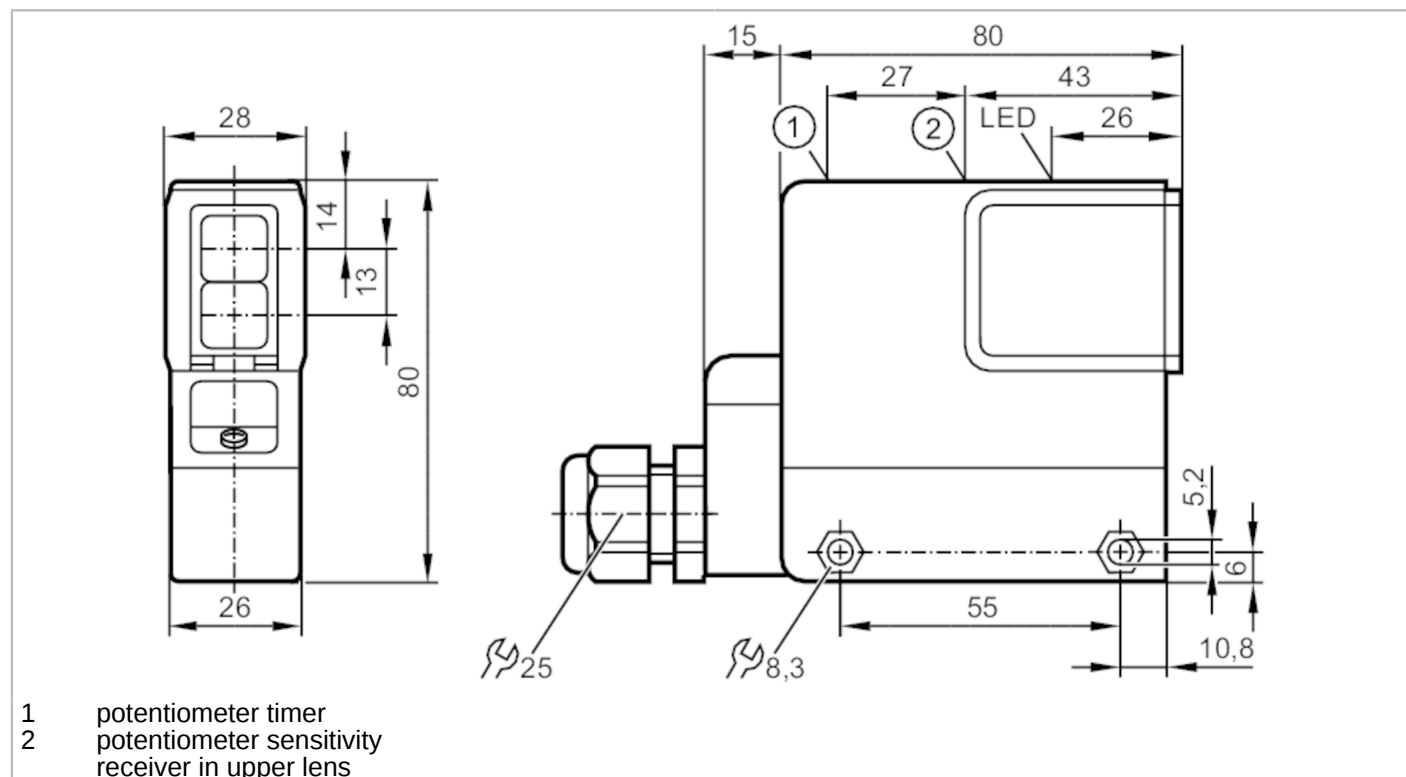


OS0023



Through-beam sensor receiver

OSE-FBOA



Application

Function principle

Through-beam sensor

Electrical data

Operating voltage [V]

20...250 AC/DC

Protection class

II

Reverse polarity protection

yes

Type of light

infrared light

Wave length [nm]

880



Through-beam sensor receiver

OSE-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]	4	
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]	100	
Short-circuit proof	no	
Overload protection	no	
Detection zone		
Transmitter / receiver	receiver	
Range [m]	< 20	
Range adjustable	yes	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	300	
Mechanical data		
Weight [g]	276.5	
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		
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.	



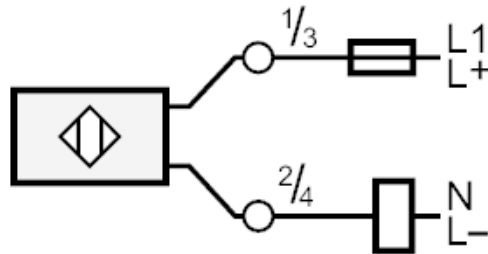
Through-beam sensor receiver

OSE-FBOA

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