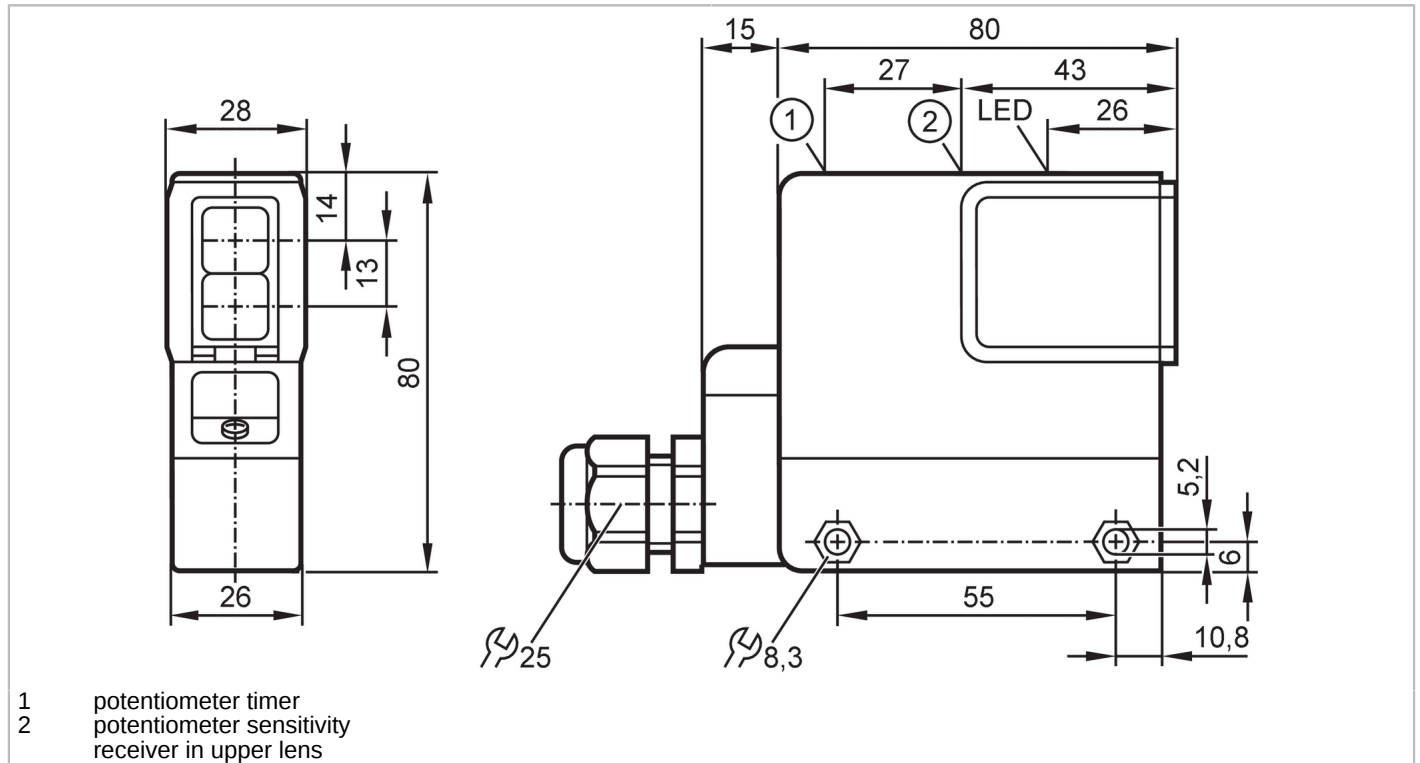




Through-beam sensor receiver

OSE-FBOA



Product characteristics	
Type of light	infrared light
Housing	rectangular
Application	
Function principle	Through-beam sensor
Application	Industrial applications / factory automation
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
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))

OS0023



Through-beam sensor receiver

OSE-FBOA

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]	277
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Materials		housing: PPO modified
Lens material		front pane: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.

OS0023



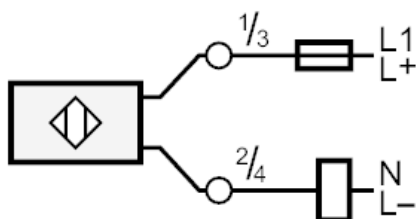
Through-beam sensor receiver

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