

# OS0034



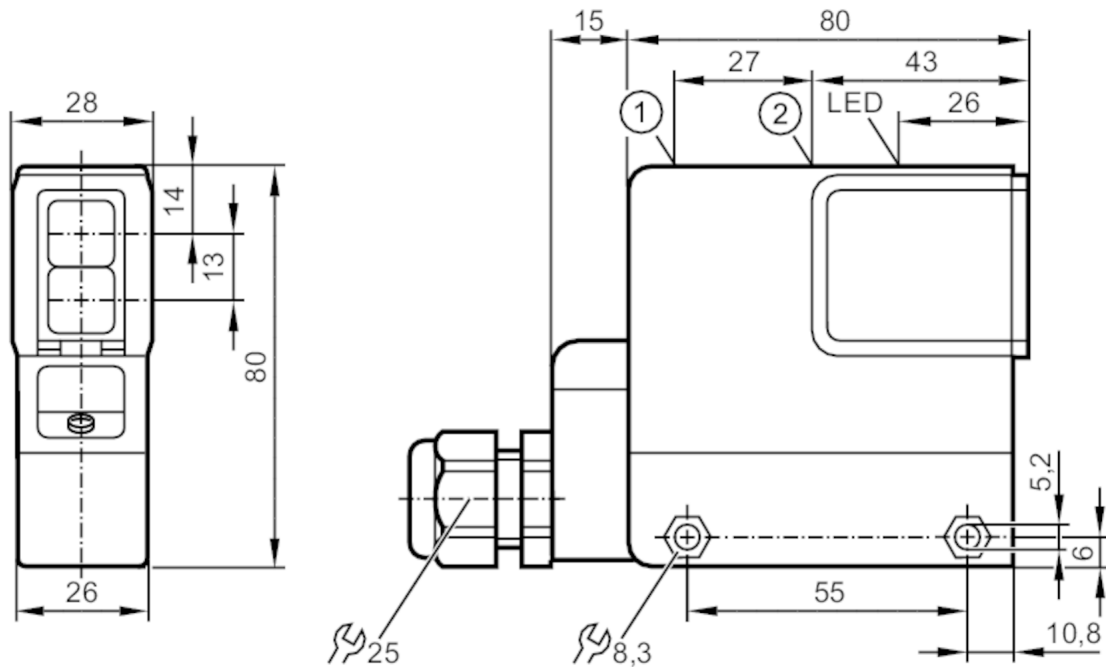
## Retro-reflective sensor

OSP-FBO/AT

Article no longer available - archive entry

Alternative articles: OS0033

When selecting an alternative article and accessories please note that technical data may differ!



- 1 potentiometer timer
- 2 potentiometer sensitivity
- Receiver in upper lens
- transmitter in lower lens

### Product characteristics

Type of light	red light
Housing	rectangular
Dimensions [mm]	80 x 28 x 95

### Application

System	polarization 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

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## Retro-reflective sensor

OSP-FBOAT

Outputs	
Output function	light-on/dark-on mode; (configurable)
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]	8
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
Short-circuit proof	no
Overload protection	no
Time function [s]	0.01...5
Monitoring range	
Range [m]	< 6; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes
Polarization filter available	yes
Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2 EN 55011 class B
MTTF [years]	261
Mechanical data	
Weight [g]	0.269
Housing	rectangular
Dimensions [mm]	80 x 28 x 95
Material	PPO modified
Lens material	glass
Displays / operating elements	
Display	Switching status 1 x LED, yellow
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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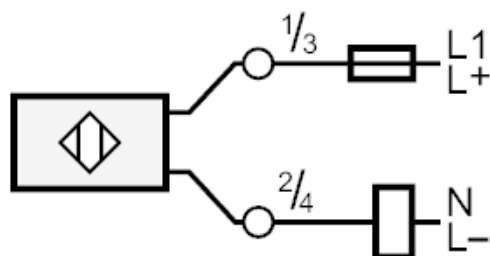
## Retro-reflective sensor

OSP-FBOAT

### Electrical connection

terminals: ...1.5 mm<sup>2</sup>; Cable gland: M20 X 1.5

### Connection



Note : miniature fuse to IEC60127-2 sheet 1  $\leq$  2 A fast acting