



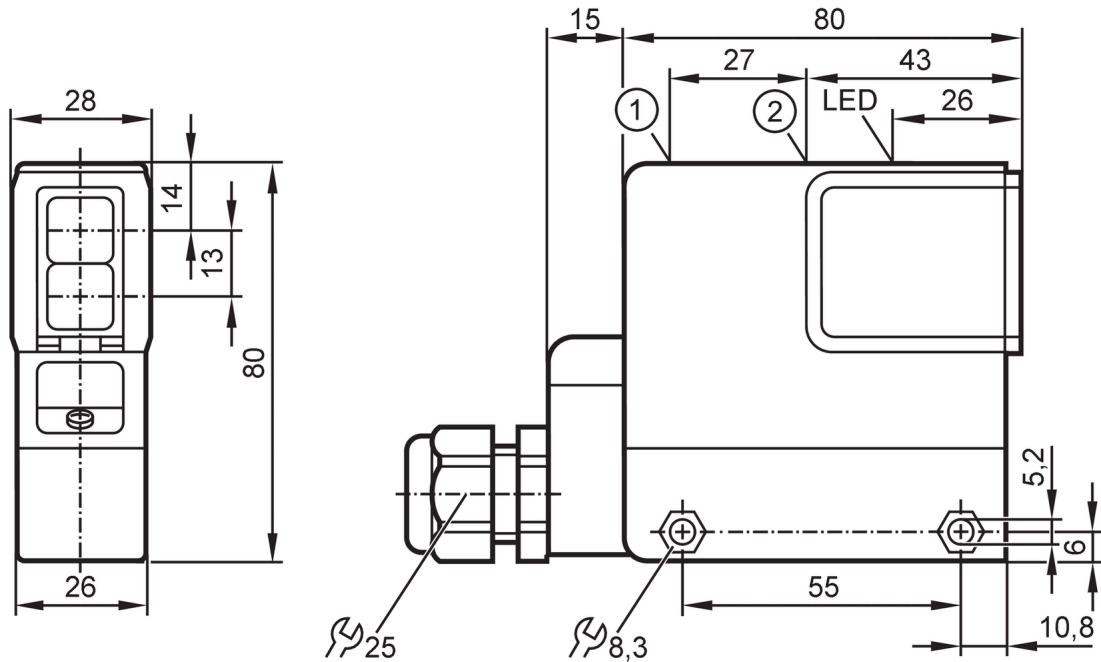
Retro-reflective sensor

OSP-FPKG

Article to be discontinued

Alternative articles: O4P500

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

Application

Special feature	polarization filter
Function principle	Retro-reflective sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	25; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (programmable)

OS5031



Retro-reflective sensor

OSP-FPKG

Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Range referred to prismatic reflector	[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]	634

Mechanical data

Weight	[g]	275.2
Housing		rectangular
Dimensions	[mm]	80 x 28 x 95
Material		housing: PPO modified
Lens material		front lens:glass
Lens alignment		Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	Angle bracket: 1, E20210 screwdrivers
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Remarks

Pack quantity	1 pcs.
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Electrical connection

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

Connection

