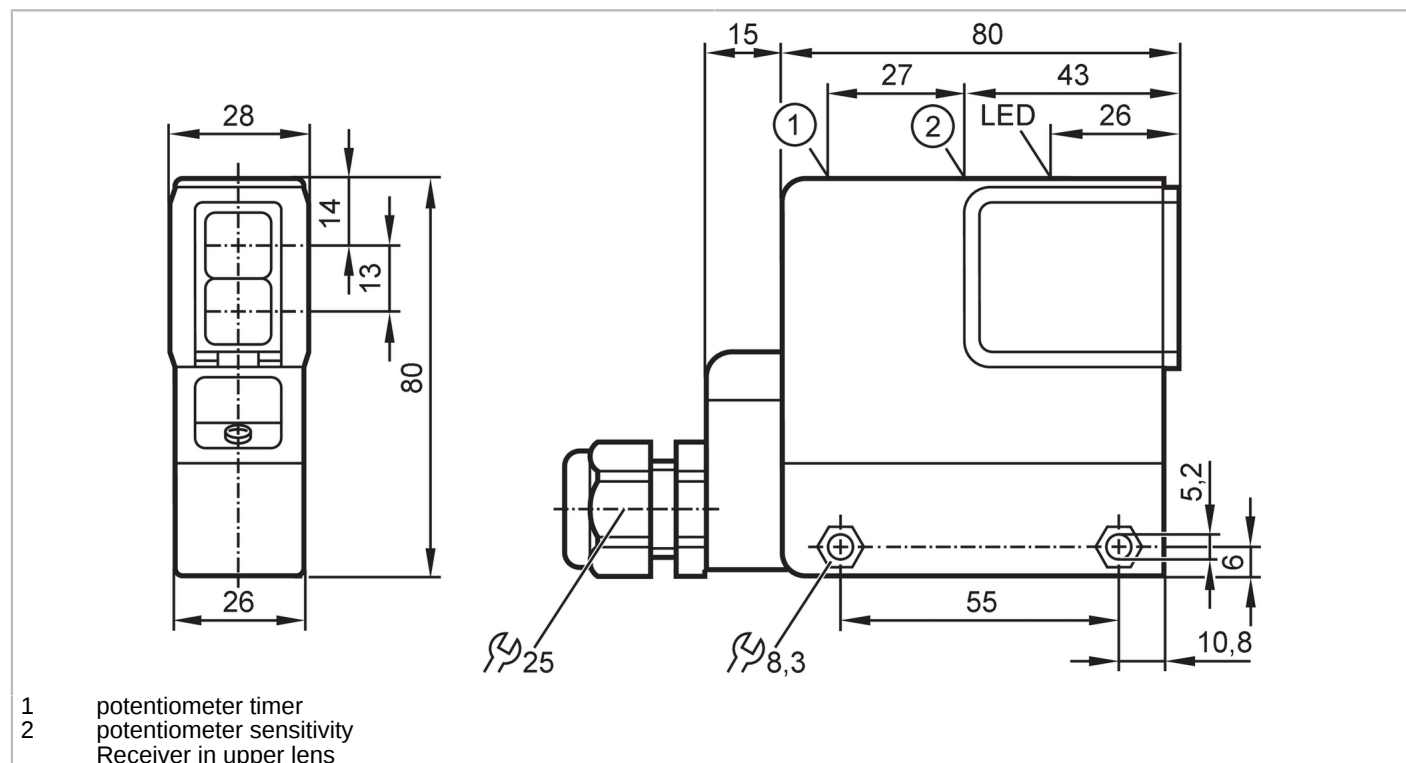


OS5013



Through-beam sensor receiver

OSE-FPKG



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Through-beam sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	20; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Outputs

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



Through-beam sensor receiver

OSE-FPKG

Overload protection	yes
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Monitoring range

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	
	EN 55011	class B
MTTF [years]	618	

Mechanical data

Weight [g]	274.5
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

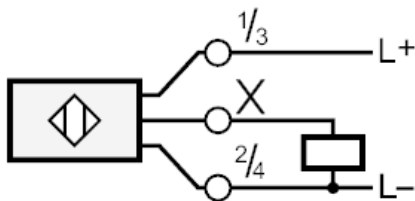
Remarks

Pack quantity	1 pcs.
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Electrical connection

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

Connection



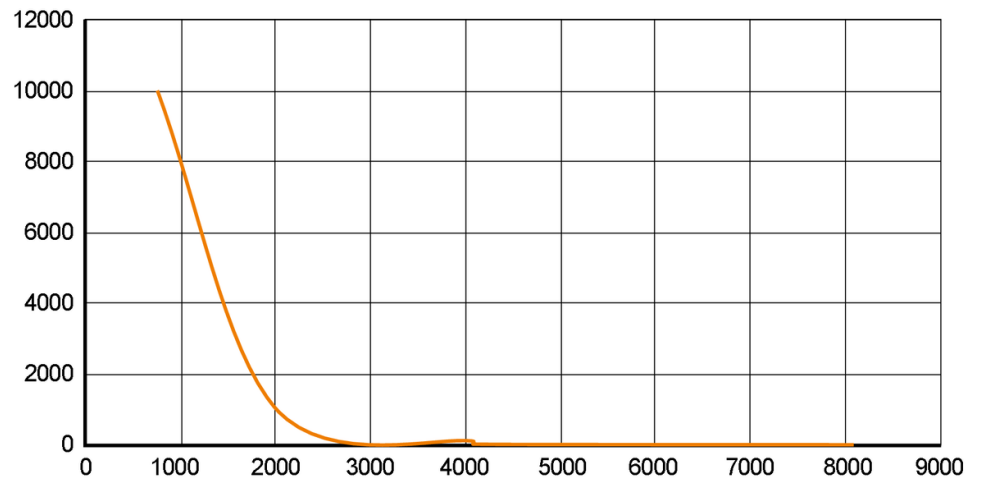


Through-beam sensor receiver

OSE-FPKG

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor