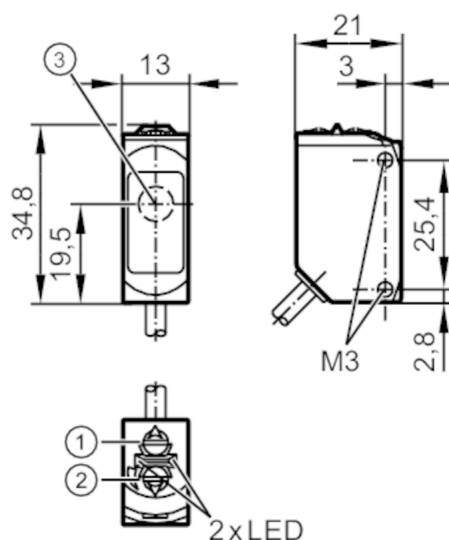


Through-beam sensor receiver

O6E-FPKG/0,30M/US



- 1: output function switch
 2: potentiometer sensitivity
 3: Light incidence



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	7; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	633

Outputs

Electrical design		PNP
Output function		light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

Monitoring range

Transmitter / receiver	receiver
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O6E320



Through-beam sensor receiver

O6E-FPKG/0,30M/US

Range	[m]	< 10
Range adjustable		yes

Interfaces

Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor: Device Identification; Binary Data Channel	
SIO mode	yes	
Required master port class	A	
Min. process cycle time	[ms]	2.5
IO-Link process data (cyclical)	Function	bit length
	process value	8
	binary switching information	1
IO-Link functions (acyclical)	application specific tag; operating hours counter; switching cycles counter	
Supported DeviceIDs	Type of operation	DeviceID
	default	421

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67; IP 68; IP 69K

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Weight	[g]	50.9
Housing		rectangular
Dimensions	[mm]	34.8 x 13 x 21
Material		housing: stainless steel (1.4404 / 316L); plastics: PPSU; sealing: EPDM
Lens material		PMMA
Lens alignment		Side sensing
Tightening torque	[Nm]	1; (screws)

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Remarks

Pack quantity	1 pcs.
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O6E320



Through-beam sensor receiver

O6E-FPKG/0,30M/US

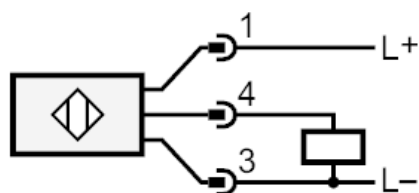
Electrical connection

Cable: 0.3 m, PVC; 3 x 0.25 mm²

Connector: 1 x M12; coding: A



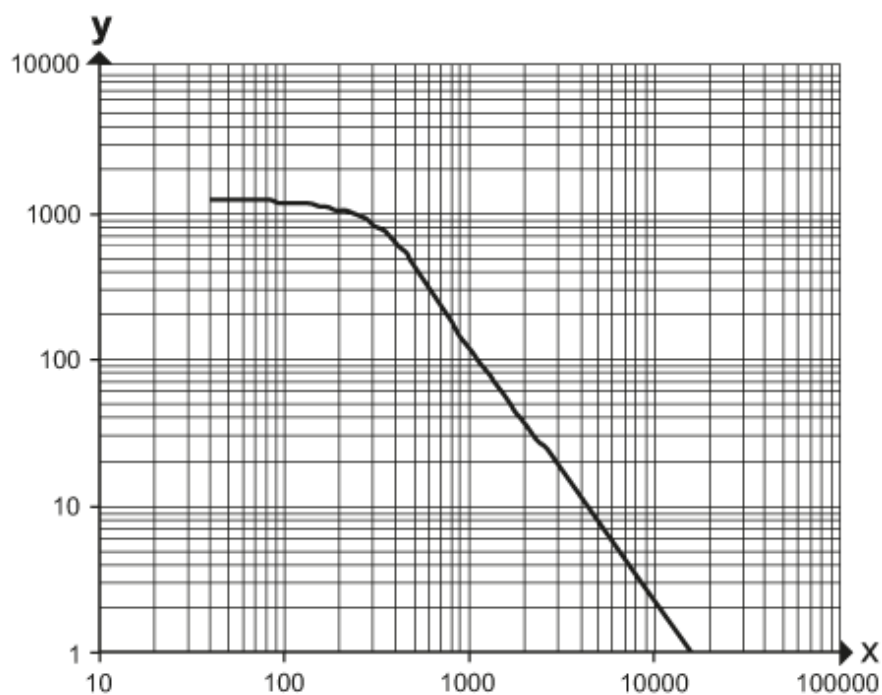
Connection



4 OUT / IO-Link

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor