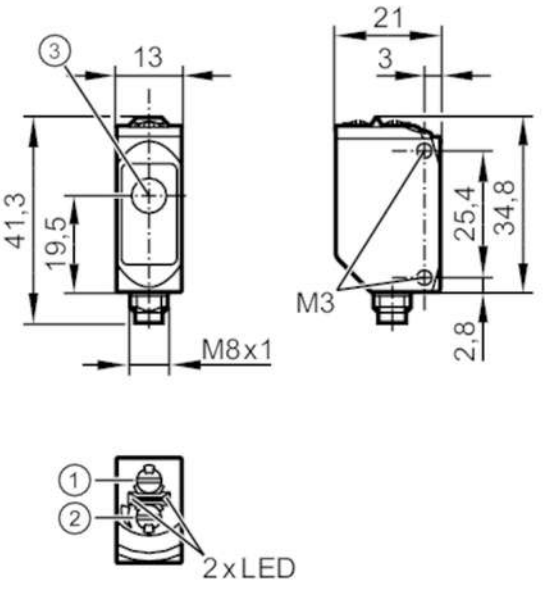
O6E309

Through-beam sensor receiver

O6E-FPKG/AS/4P



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
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		pulsed
Detection zone		
Transmitter / receiver		receiver

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Through-beam sensor receiver

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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 type		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	
MTTF	[years]	716	
UL approval		UL Approval no.	E010
Mechanical data			
Weight	[g]	34.1	
Housing		rectangular	
Dimensions	[mm]	34.8 x 13 x 21	
Materials		housing: stainless steel (316L/1.4404); plastics: PPSU; Sealing: EPDM	
Lens material		PMMA	
Lens alignment		side lens	
Tightening torque	[Nm]	1; (screws)	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Remarks			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	

O6E309

Through-beam sensor receiver

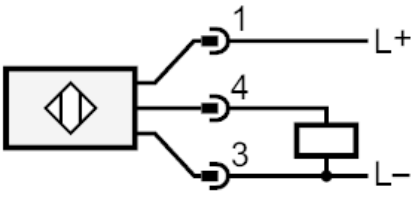
O6E-FPKG/AS/4P

Electrical connection

Connector: 1 x M8; coding: A



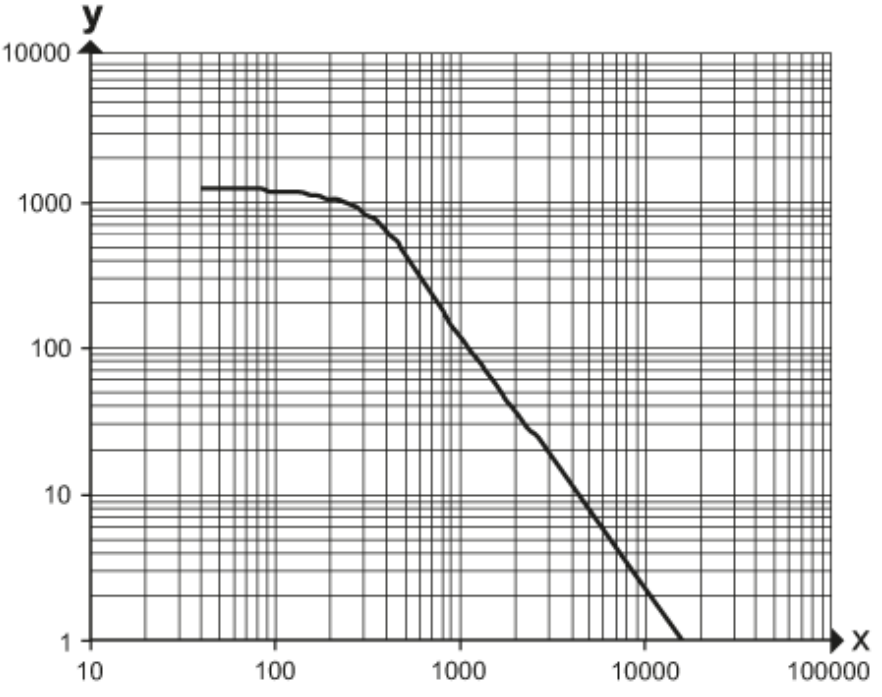
Connection



4	OUT / IO-Link

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor