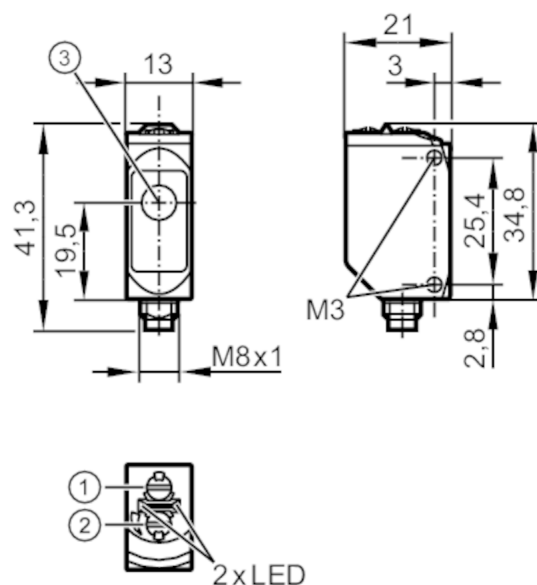


Through-beam sensor receiver

O6E-FPKG/AS/4P



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



Product characteristics

Type of light	red light
Communication interface	IO-Link
Housing	rectangular
Dimensions [mm]	34.8 x 13 x 21

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	pulsed



Through-beam sensor receiver

O6E-FPKG/AS/4P

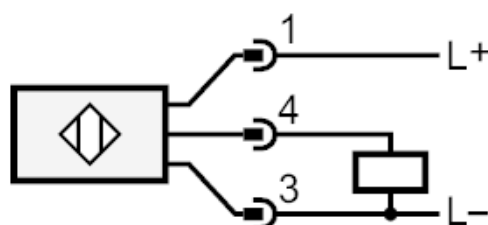
Detection zone		
Transmitter / receiver	receiver	
Range [m]	< 10	
Range adjustable	yes	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor: Device Identification; Binary Data Channel	
SIO mode	yes	
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 (1.4404 / 316L); plastics: PPSU; Sealing: EPDM	
Lens material	PMMA	
Lens alignment	side lens	
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.	
Electrical connection		
Connector: 1 x M8		

Through-beam sensor receiver

O6E-FPKG/AS/4P



Connection

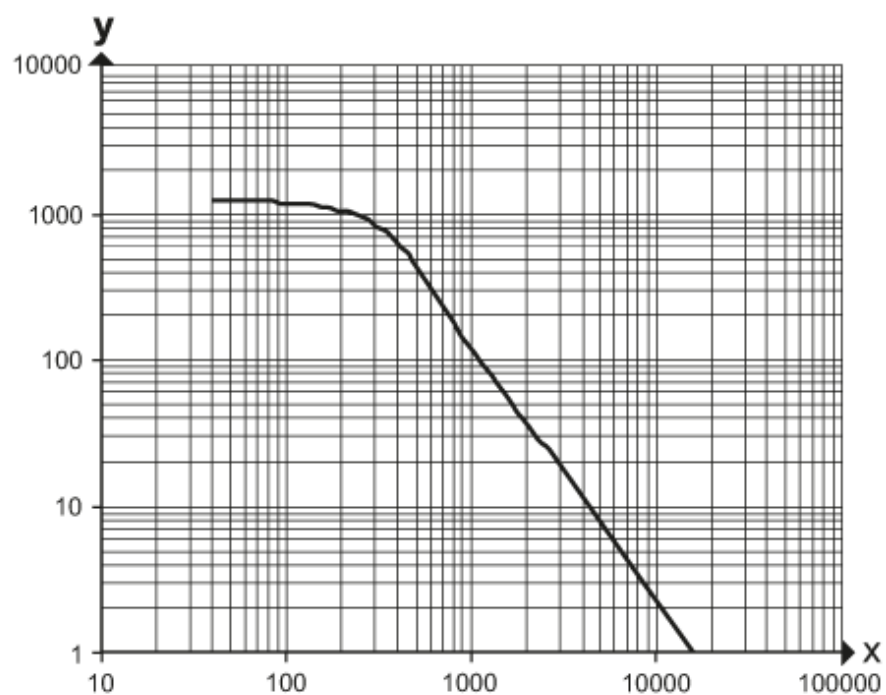


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OUT / IO-Link

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor