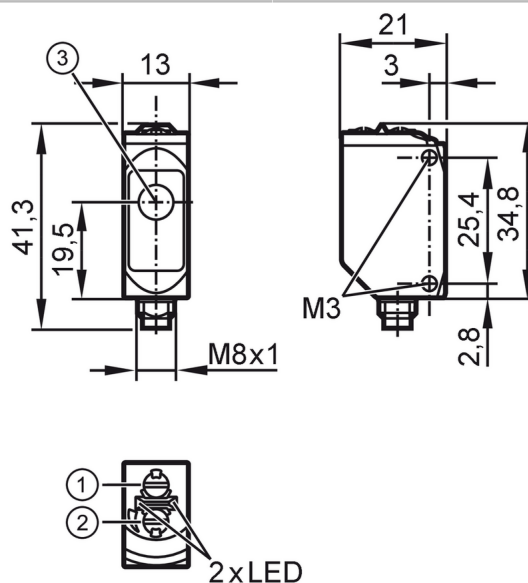




Through-beam sensor receiver

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
Application	food and beverage industry

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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Through-beam sensor receiver

O6E-FPKG/AS/4P

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 - SSP 0	Generic Profiled Sensor	
	Function	Device identification	
	Function	Multiple switching signal	
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	
MTTF	[years]	716	
UL approval	Ta	-25...40 °C	
	Enclosure type	Type 1	
	voltage supply	Class 2	
	UL approval number	E010	
Mechanical data			
Weight	[g]	34.1	
Housing		rectangular	
Dimensions	[mm]	34.8 x 13 x 21	
Material		housing: stainless steel (1.4404 / 316L); sealing: EPDM; plastics: PPSU	
Lens material		front lens: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			
Remarks		cULus - Class 2 source required	
Pack quantity		1 pcs.	



Through-beam sensor receiver

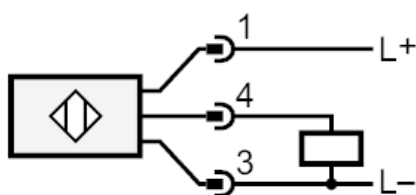
O6E-FPKG/AS/4P

Electrical connection

Connector: 1 x M8; coding: A; Contacts: 4



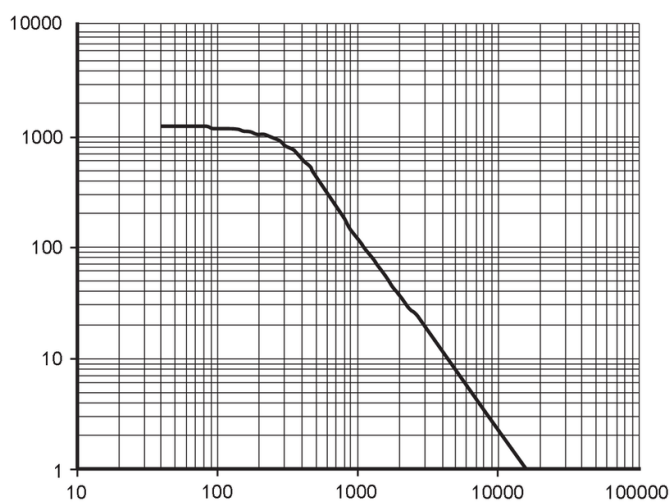
Connection



4 OUT / IO-Link

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor