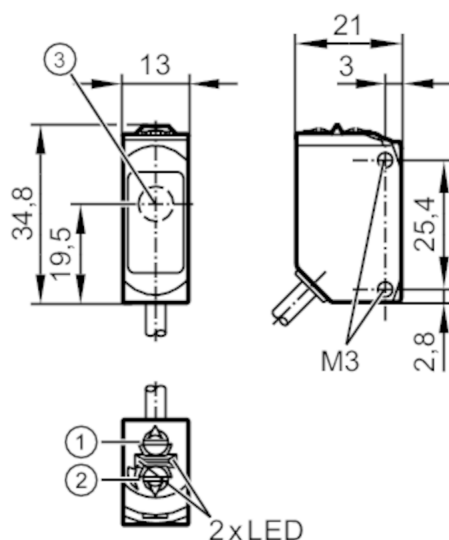




Through-beam sensor receiver

O6E-FPKG/0,30M/US



- 1 output function switch
 2 potentiometer sensitivity
 3 Light incidence



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

Detection zone

Transmitter / receiver		receiver
Range	[m]	< 10
Range adjustable		yes

O6E320



Through-beam sensor receiver

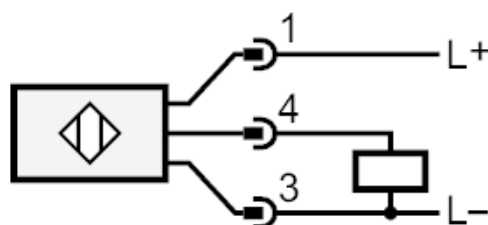
O6E-FPKG/0,30M/US

Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9 CDV	
IO-Link device ID	421 d / 00 01 A5 h	
Profiles	Smart Sensor: Device Identification; Binary Data Channel	
SIO mode	yes	
Required master port type	A	
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 65; IP 67; IP 68; IP 69K	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	55
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		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 0.3 m, PVC; 3 x 0.25 mm²		
Connector: 1 x M12		
		

Through-beam sensor receiver

O6E-FPKG/0,30M/US

Connection

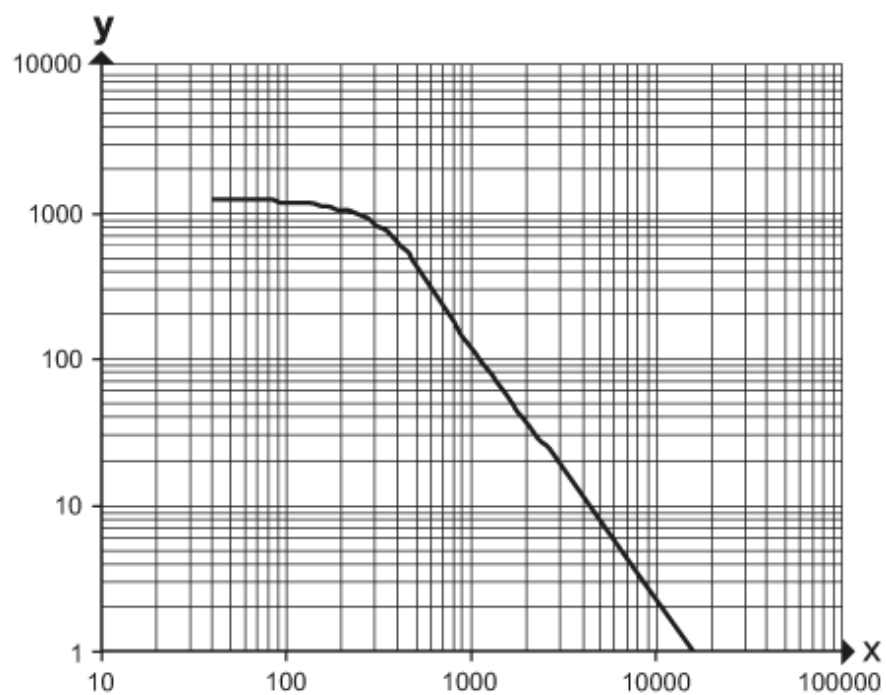


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OUT / IO-Link

Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor