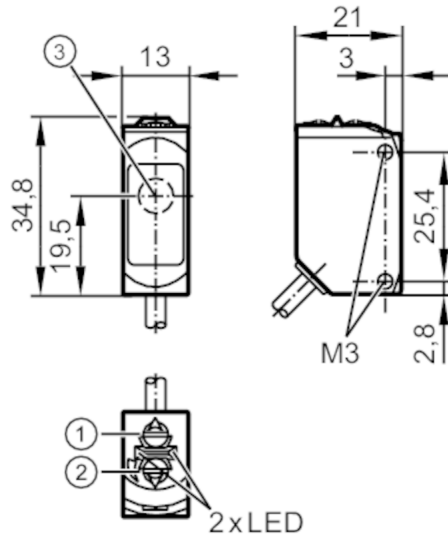


O6E320



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
Communication interface	IO-Link
Housing	rectangular
Dimensions [mm]	34.8 x 13 x 21

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

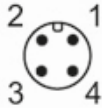
Electrical design	PNP
Output function	light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed

O6E320



Through-beam sensor receiver

O6E-FPKG/0,30M/US

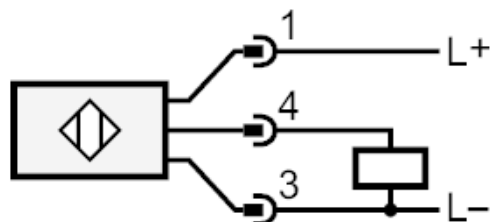
Detection zone		
Transmitter / receiver		receiver
Range [m]		< 10
Range adjustable		yes
Interfaces		
Communication interface		IO-Link
Transmission type		COM 2 (38,4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9 CDV
IO-Link device ID		421 d / 00 01 A5 h
Profiles		Smart Sensor: Device Identification; 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]		50.9
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 mm ²		
Connector: 1 x M12		
		



Through-beam sensor receiver

O6E-FPKG/0,30M/US

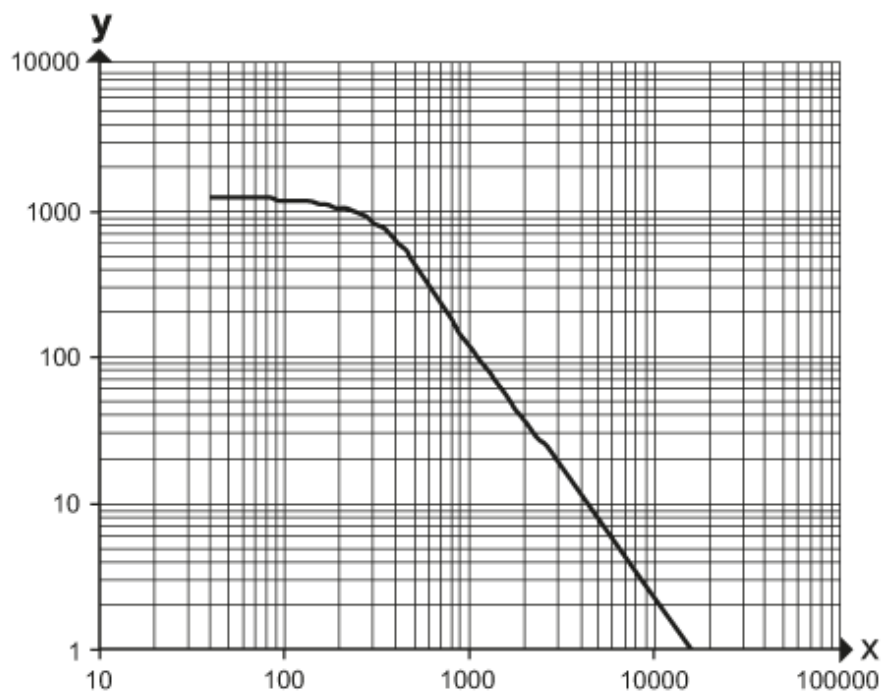
Connection



4 OUT / IO-Link

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor