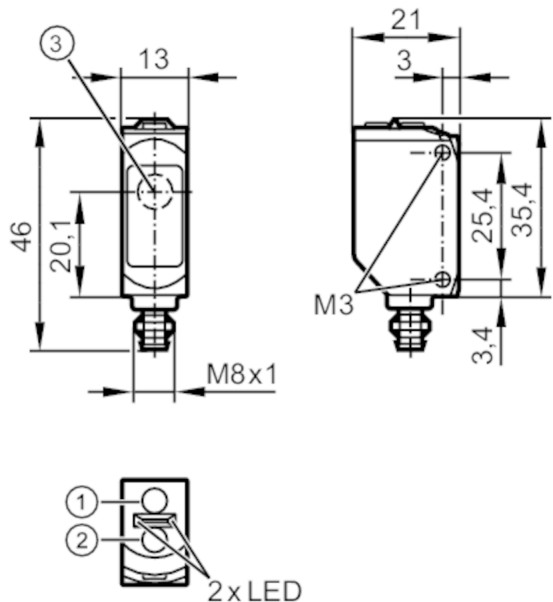




Through-beam sensor receiver

O6ELFNKG/AS/4P



- 1 Programming button OUT OFF
- 2 Programming button OUT ON
- 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]	13; (24 V)
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650
Outputs		
Electrical design		NPN
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
Type of short-circuit protection		yes (non-latching)

O6E705



Through-beam sensor receiver

O6ELFNKG/AS/4P

Monitoring range		
Transmitter / receiver	receiver	
Range [m]	15	
Diameter of the smallest detectable object [mm]	7; (15 m)	
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
	Function	Device diagnosis
	Function	Teach channel
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
	device status	4
	binary switching information	1
IO-Link functions (acyclical)	application specific tag; operating hours counter; switching cycles counter	
Supported DeviceIDs	Type of operation	DeviceID
	default	524
Operating conditions		
Ambient temperature [°C]	-10...60	
Protection	IP 65; IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	1168	
UL approval	Ta	-25...40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
Mechanical data		
Weight [g]	18.5	
Housing	rectangular	
Dimensions [mm]	46 x 13 x 21	
Material	housing: ABS; PPSU; sealing: EPDM	
Lens material	PMMA	
Lens alignment	Side sensing	
Tightening torque [Nm]	0.5; (screws)	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

O6E705



Through-beam sensor receiver

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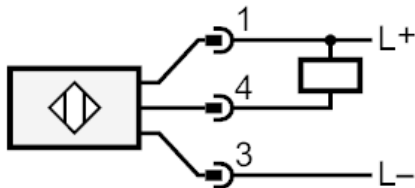
Remarks	
Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M8; coding: A

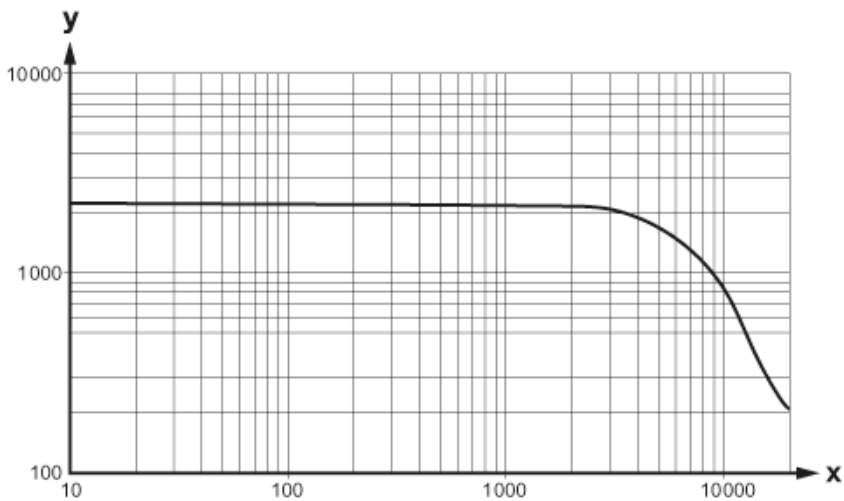


Connection



4 OUT / IO-Link

Diagrams and graphs



x: Abstand [mm]
y: Funktionsreservefaktor