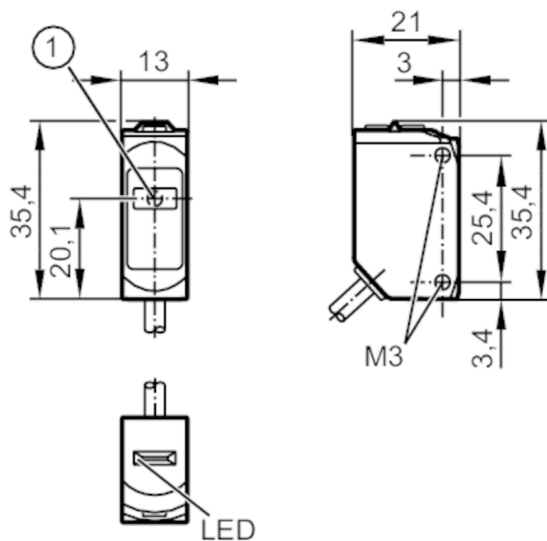


O6S701



Through-beam sensor transmitter

O6SLOOKG/0,30m/US



1 light emission



Product characteristics

Type of light	red light
Laser protection class	1
Housing	rectangular

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	10; (24 V)
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	650

Detection zone

Transmitter / receiver		transmitter
Range	[m]	< 15
Diameter of the smallest detectable object	[mm]	7; (15 m)
Max. light spot diameter	[mm]	35
Light spot dimensions refer to		at maximum range

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, Device Diagnosis



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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
	device status	4
IO-Link functions (acyclical)	application specific tag; operating hours counter; switching cycles counter	
Supported DeviceIDs	Type of operation	DeviceID
	default	523

Operating conditions

Ambient temperature [°C]	-10...60
Protection	IP 65; IP 67

Tests / approvals

EMC	EN 60947-5-2	
Laser protection class		1
Notes on laser protection	Caution:	laser light
	laser class:	1
		EN / IEC60825-1:2007
		EN / IEC60825-1:2014
		Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007.
MTTF [years]	697	

Mechanical data

Weight [g]	33.2	
Housing	rectangular	
Dimensions [mm]	35.4 x 13 x 21	
Materials	housing: ABS; PPSU; Sealing: EPDM	
Lens material	PMMA	
Lens alignment	side lens	
Tightening torque [Nm]	0.5; (screws)	

Displays / operating elements

Display	operation	1 x LED, green
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Remarks

Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	

O6S701



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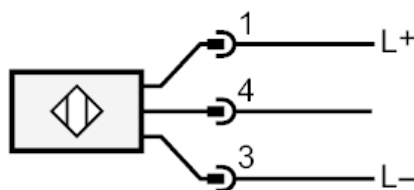
Electrical connection - plug

Cable: 0.3 m, PUR, black, Ø 3.7 mm; 3 x 0.25 mm²

Connector: 1 x M12; coding: A

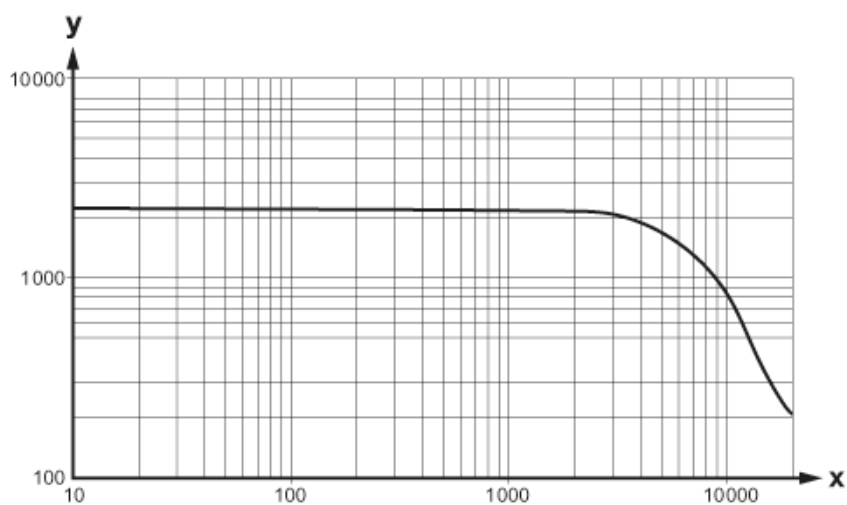


Connection



4 IO-Link

Diagrams and graphs



x: Abstand [mm]

y: Funktionsreservefaktor