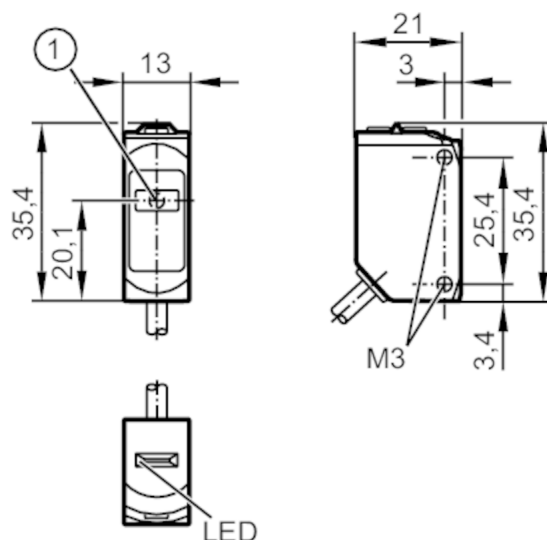


O6S700



Through-beam sensor transmitter

O6SLOOKG



1 Sensing surface



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

Monitoring range

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

O6S700



Through-beam sensor transmitter

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SIO mode	yes						
Required master port class	A						
Min. process cycle time [ms]	2.5						
IO-Link process data (cyclical)	<table> <tr> <th>Function</th><th>bit length</th></tr> <tr> <td>process value</td><td>8</td></tr> <tr> <td>device status</td><td>4</td></tr> </table>	Function	bit length	process value	8	device status	4
Function	bit length						
process value	8						
device status	4						
IO-Link functions (acyclical)	application specific tag; operating hours counter; switching cycles counter						
Supported DeviceIDs	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>default</td><td>523</td></tr> </table>	Type of operation	DeviceID	default	523		
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	<table> <tr> <td>Caution:</td><td>Laser light</td></tr> <tr> <td>laser class:</td><td>1</td></tr> <tr> <td></td><td>EN / IEC60825-1:2007</td></tr> <tr> <td></td><td>EN / IEC60825-1:2014</td></tr> <tr> <td></td><td>Complies with 21 CFR 1040 except for deviations pursuant to Laser Notice No. 50, dated June 2007.</td></tr> </table>	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.
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]	854										
UL approval	<table> <tr> <td>UL approval number</td><td>E025</td></tr> <tr> <td>File number UL</td><td>E174191</td></tr> </table>	UL approval number	E025	File number UL	E174191						
UL approval number	E025										
File number UL	E174191										

Mechanical data

Weight [g]	59.8
Housing	rectangular
Dimensions [mm]	35.4 x 13 x 21
Material	housing: ABS; PPSU; sealing: EPDM
Lens material	PMMA
Lens alignment	Side sensing
Tightening torque [Nm]	0.5

Displays / operating elements

Display	Power	1 x LED, green
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Remarks

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

O6S700



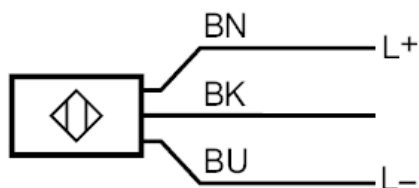
Through-beam sensor transmitter

O6SLOOKG

Electrical connection

Cable: 2 m, PUR, black, Ø 3.7 mm; 3 x 0.25 mm²

Connection



BK	OUT / IO-Link
	Core colors :
BN =	brown
BK =	black
BU =	blue

Diagrams and graphs



x: Abstand [mm]

y: Funktionsreservefaktor