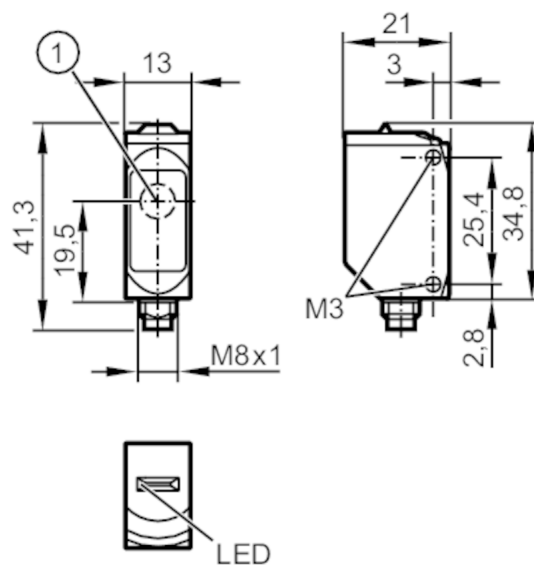


O6S305



Through-beam sensor transmitter

O6S-OOKG/AS/4P



1 light emission



Application

Function principle Through-beam sensor

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	11; ((24 V))
Protection class		III
Type of light		red light
Wave length	[nm]	633

Detection zone

Transmitter / receiver		transmitter
Range	[m]	< 10
Max. light spot diameter	[mm]	300
Light spot dimensions refer to		at maximum range

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		420 d / 00 01 A4 h
Profiles		Smart Sensor: Device Identification
SIO mode		yes
Required master port type		A

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67; IP 68; IP 69K



Through-beam sensor transmitter

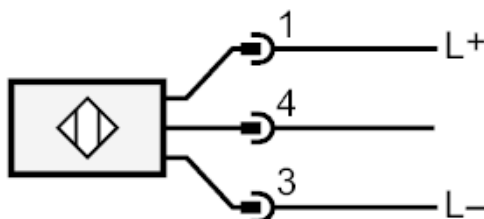
O6S-00KG/AS/4P

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	1239	
UL approval	UL Approval no.	E011
Mechanical data		
Weight [g]	35.8	
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	operation	1 x LED, green
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M8



Connection

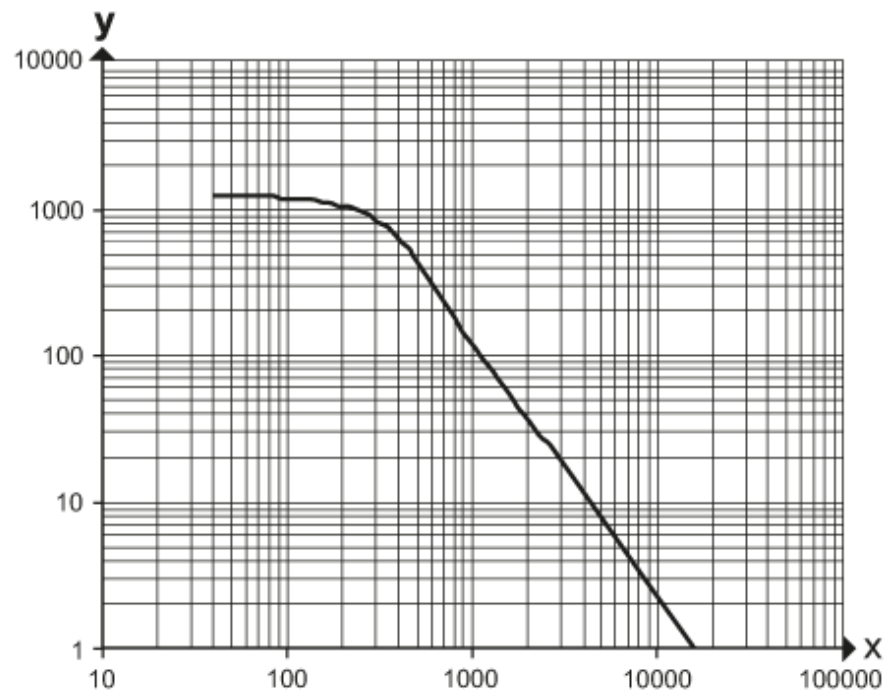


Through-beam sensor transmitter

O6S-00KG/AS/4P

Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor