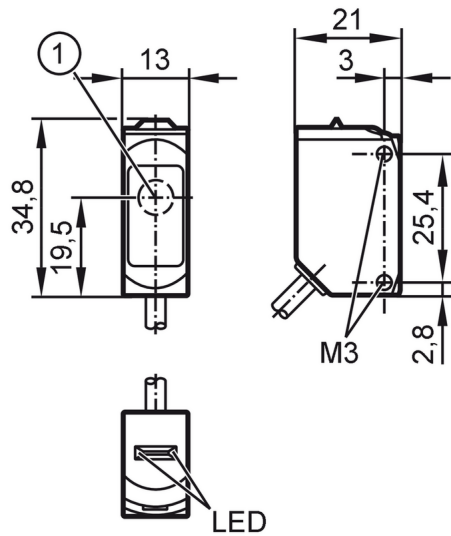


O6S402



Through-beam sensor transmitter

O6S-OOKG/0,30m/US



1: Sensing surface



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
Application	suited for use in the machine tool industry

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

Monitoring range

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

Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67; IP 68

Tests / approvals

EMC	EN 60947-5-2	
MTTF	[years]	2942
UL approval	Ta	-25...50 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E021

O6S402



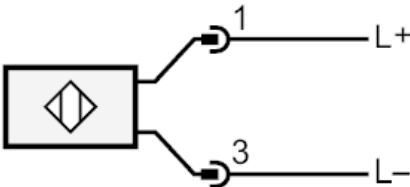
Through-beam sensor transmitter

O6S-00KG/0,30m/US

Mechanical data		
Weight	[g]	49.7
Housing		rectangular
Dimensions	[mm]	34.8 x 13 x 21
Material		housing: stainless steel (1.4404 / 316L); plastics: PPSU; sealing: FKM
Lens material		front lens:PMMA
Lens alignment		Side sensing
Tightening torque	[Nm]	1; (screws)

Displays / operating elements		
Display	Power	1 x LED, green
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.

Electrical connection	
Cable: 0.3 m, PUR; 2 x 0.25 mm²	
Connector: 1 x M12; coding: A; Contacts: 4	
	

Connection


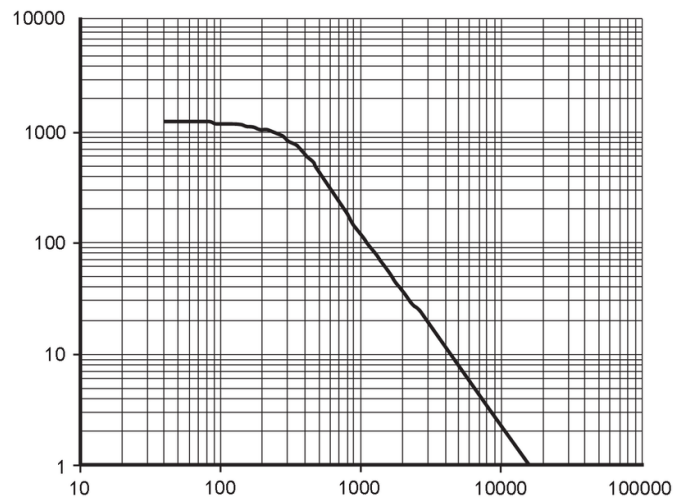


Through-beam sensor transmitter

O6S-OOKG/0,30m/US

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor