

1: light emission



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

Detection zone

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	UL Approval no.	E002

O6S400



Through-beam sensor transmitter

O6S-00KG/AS/4P

Mechanical data		
Weight	[g]	33.7
Housing		rectangular
Dimensions	[mm]	34.8 x 13 x 21
Materials		housing: stainless steel (316L/1.4404); plastics: PPSU; Sealing: FKM
Lens material		PMMA
Lens alignment		side lens
Tightening torque	[Nm]	1; (screws)

Displays / operating elements		
Display	operation	1 x LED, green

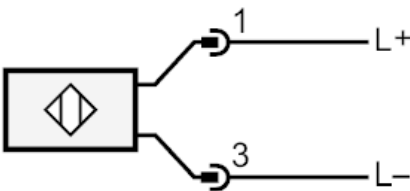
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M8; coding: A



Connection



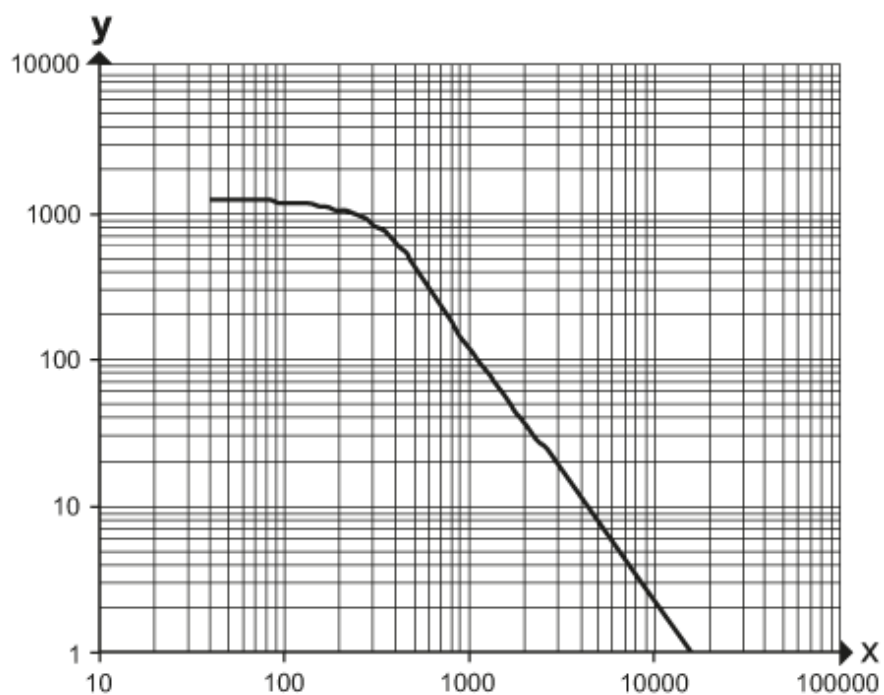


Through-beam sensor transmitter

O6S-OOKG/AS/4P

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor