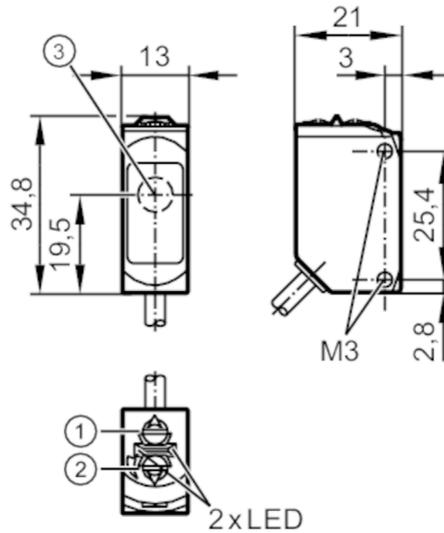


O6E403



Through-beam sensor receiver

O6E-FNKG/5M



- 1: output function switch
- 2: potentiometer sensitivity
- 3: Light incidence



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]	7; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	633

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed

O6E403



Through-beam sensor receiver

O6E-FNKG/5M

Detection zone	
Transmitter / receiver	receiver
Range [m]	< 10
Range adjustable	yes

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

Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	954
UL approval	UL Approval no. E018

Mechanical data	
Weight [g]	132.8
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)

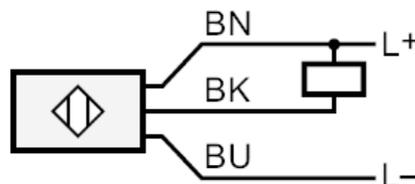
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

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

Electrical connection

Cable: 5 m, PUR; 3 x 0.25 mm²

Connection



Core colours :
BN = brown
BK = black
BU = blue

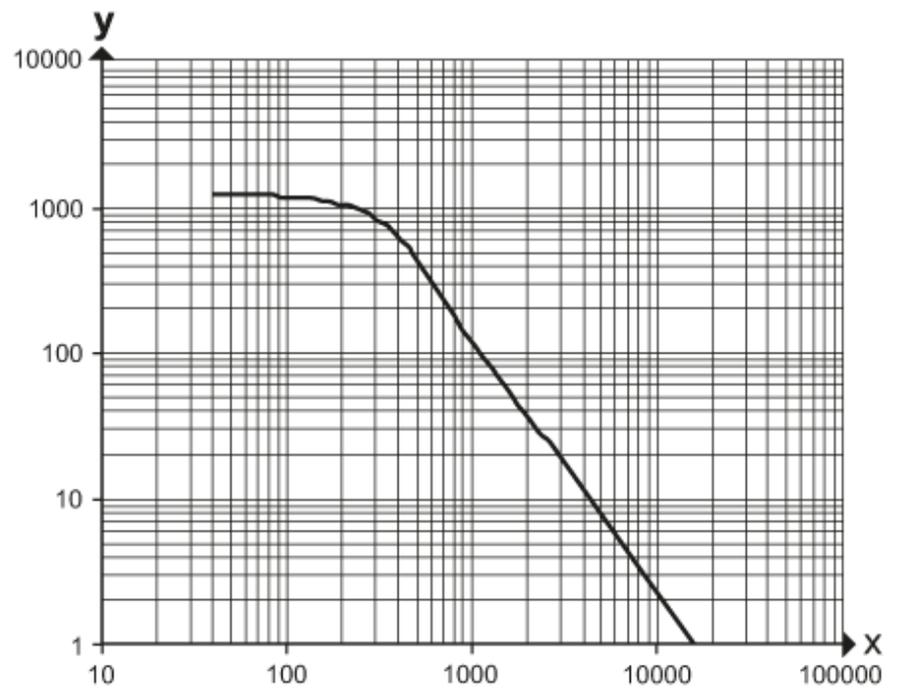


Through-beam sensor receiver

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Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor