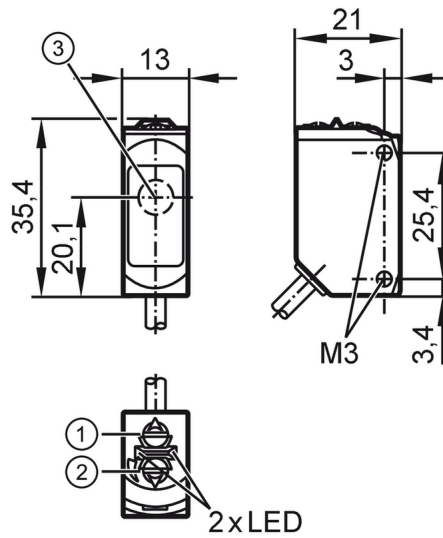


O6E205



Through-beam sensor receiver

O6E-FNKG/0,30m/US



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




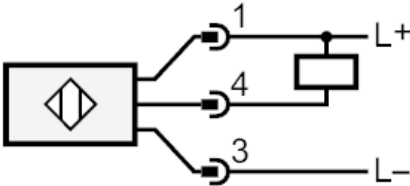
Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	7; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[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
Detection zone		
Transmitter / receiver		receiver
Range	[m]	< 10
Range adjustable		yes

O6E205



Through-beam sensor receiver

O6E-FNKG/0,30m/US

Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	956
UL approval	Ta	-25...50 °C
	Enclosure type	Type 1
	power supply	Class 2
	UL approval no.	E012
Mechanical data		
Weight	[g]	32.9
Housing		rectangular
Dimensions	[mm]	35.4 x 13 x 21
Materials		housing: ABS orange; upper part of the housing: PPSU black; Sealing: EPDM
Lens material		front pane:PMMA
Lens alignment		side lens
Tightening torque	[Nm]	0.5
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: 0.3 m, PUR; 3 x 0.25 mm ²		
Connector: 1 x M12; coding: A; Contacts: 4		
		
Connection		
		

O6E205

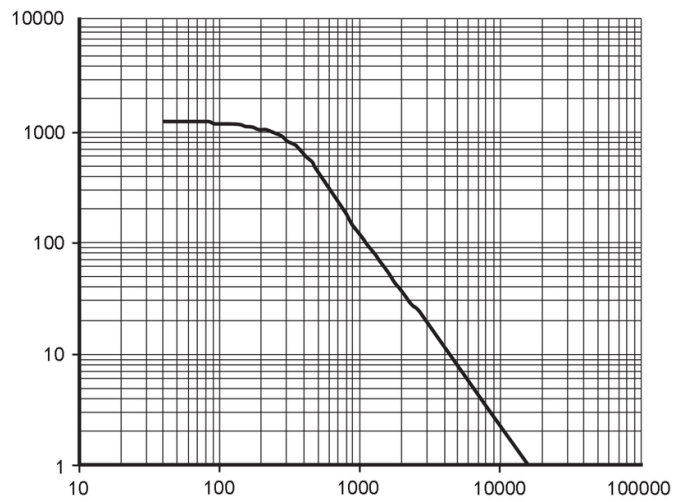


Through-beam sensor receiver

O6E-FNKG/0,30m/US

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor