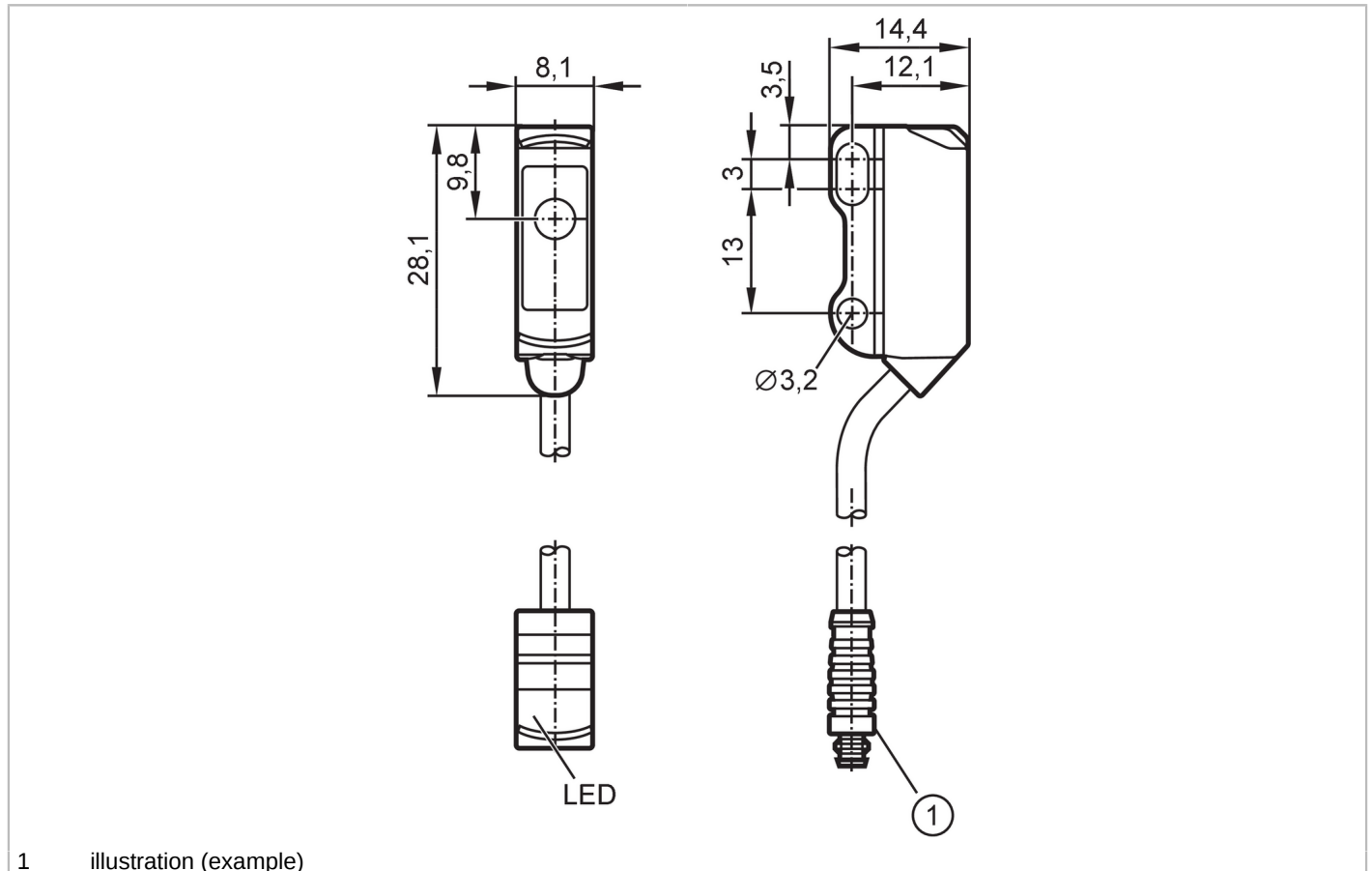




Through-beam sensor transmitter

O8S-OOKG/0,30M/AS/4P



1 illustration (example)



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
Application	For applications in robotics, assembly and handling technology

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	12; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633

Detection zone

Transmitter / receiver	transmitter
Range [m]	< 3
Max. light spot diameter [mm]	200
Light spot dimensions refer to	at maximum range

O8S202



Through-beam sensor transmitter

O8S-OOKG/0,30M/AS/4P

Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	2942
UL approval	Ta	-25...60 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval no.	E026
	File number UL	E174191
Mechanical data		
Weight	[g]	21
Housing		rectangular
Dimensions	[mm]	28.1 x 8.1 x 14.4
Materials		housing: ABS; rear of the housing: stainless steel (316L/1.4404)
Lens material		front pane:PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 0.3 m, PVC, black, Ø 2.9 mm; 2 x 0.08 mm ²		
Connector: 1 x M8; coding: A; Contacts: 4		
Connection		

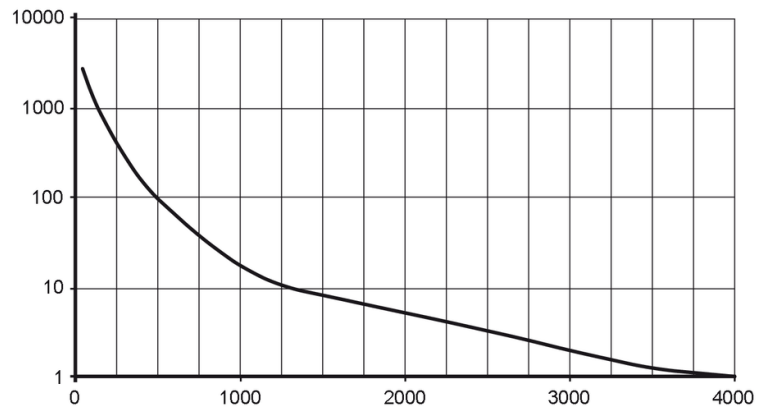


Through-beam sensor transmitter

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Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor