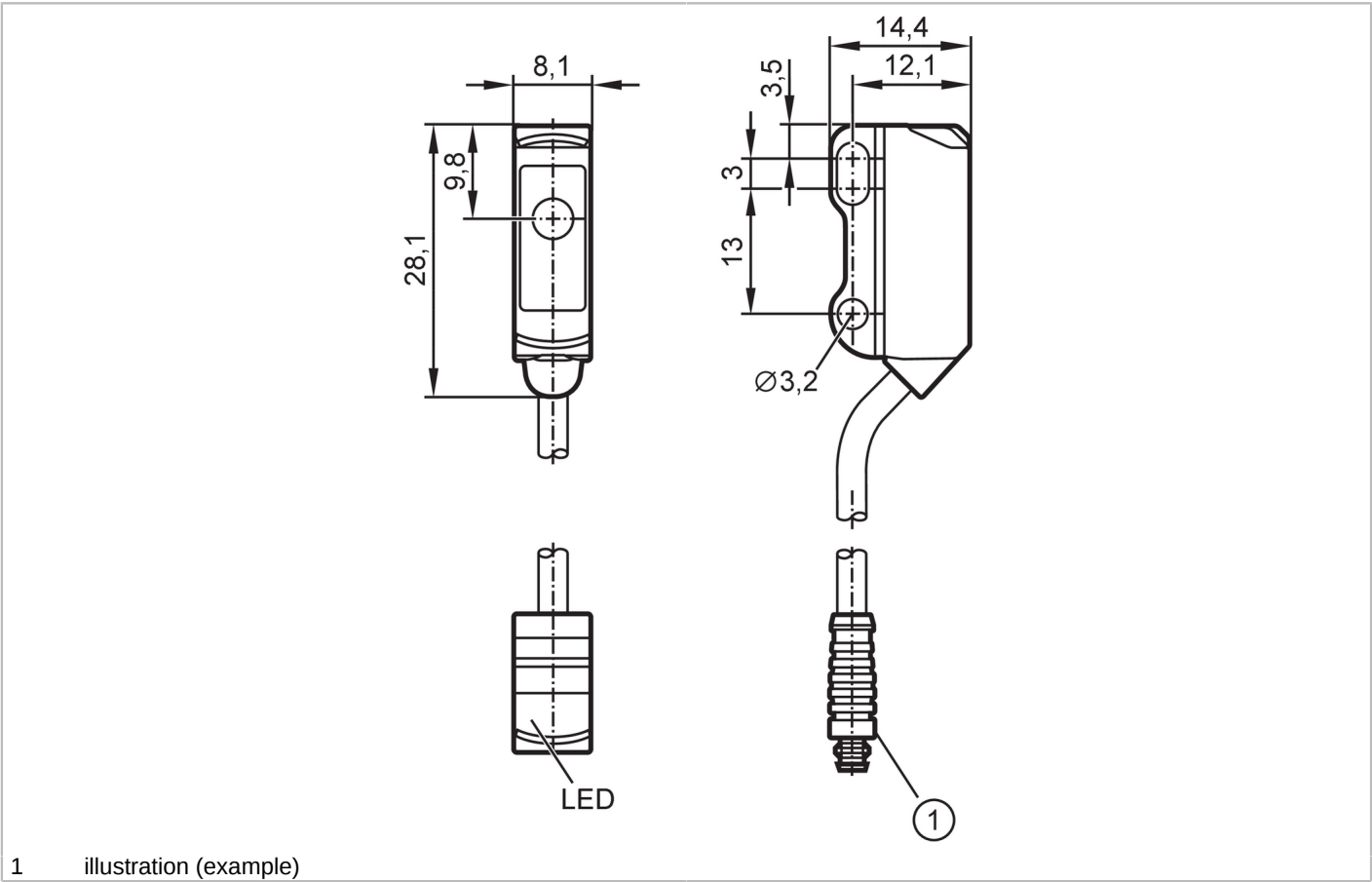




Through-beam sensor transmitter

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



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 number	E026
	File number UL	E174191

Mechanical data

Weight	[g]	21
Housing		rectangular
Dimensions	[mm]	28.1 x 8.1 x 14.4
Material		housing: ABS; rear of the housing: stainless steel (1.4404 / 316L)
Lens material		front lens:PMMA
Lens alignment		Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Remarks

Pack quantity	1 pcs.
---------------	--------

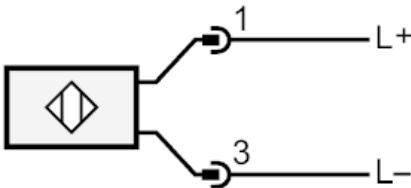
Electrical connection

Cable: 0.3 m, PVC, black, Ø 2.9 mm; 2 x 0.08 mm²

Connector: 1 x M8; coding: A; Contacts: 4



Connection



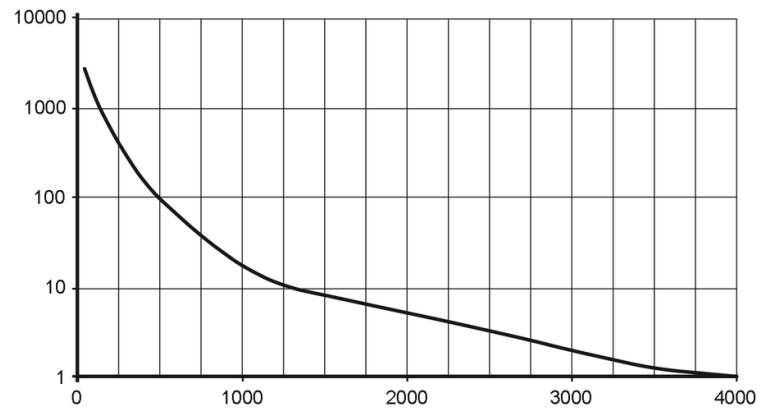


Through-beam sensor transmitter

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

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor