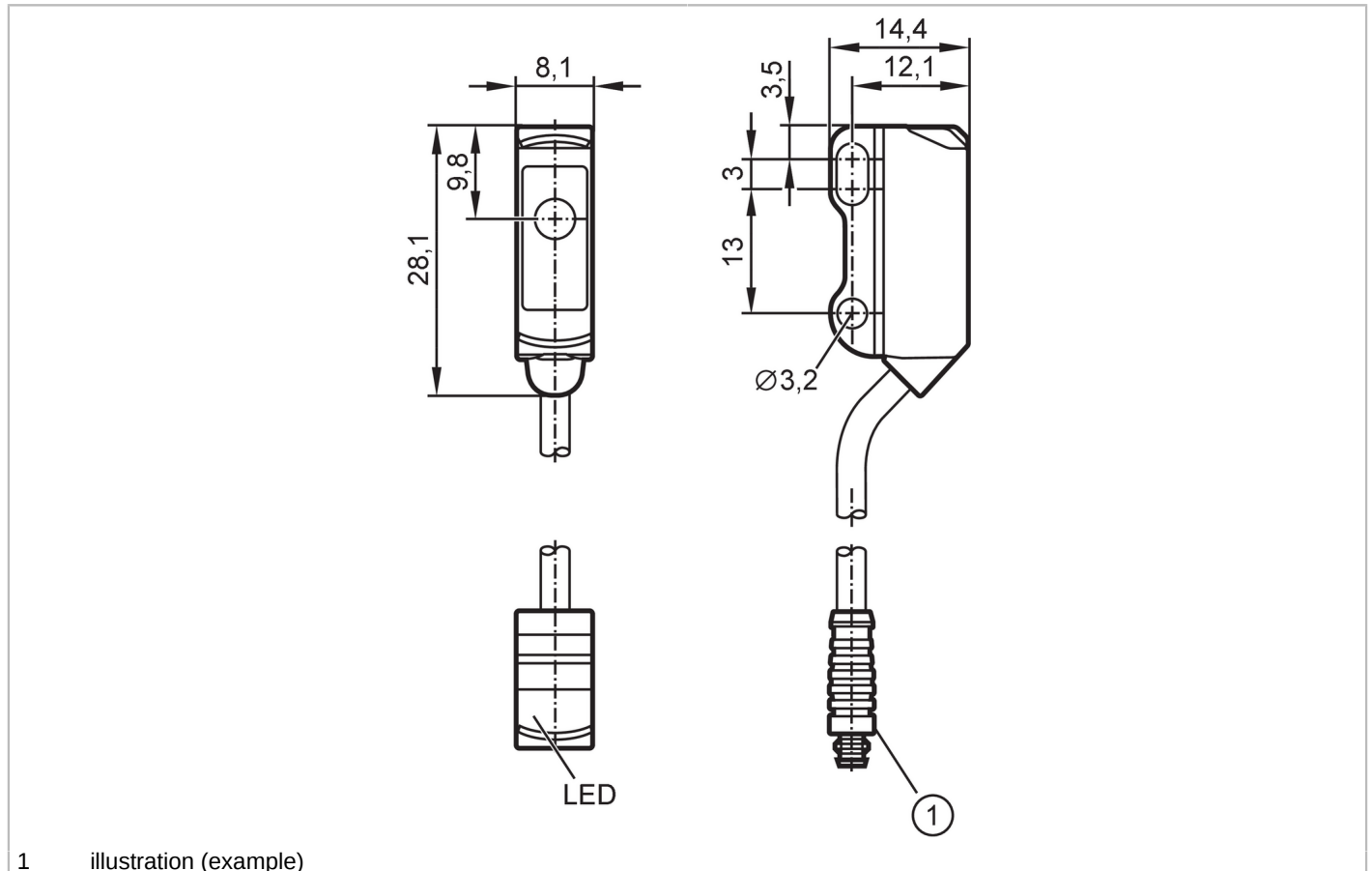


# O8S201



## Through-beam sensor transmitter

O8S-OOKG/0,30M/AS/3P



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

# O8S201



## Through-beam sensor transmitter

O8S-OOKG/0,30M/AS/3P

### 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]	20.9
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.
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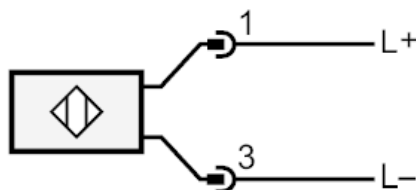
### Electrical connection

Cable: 0.3 m, PVC, black, Ø 2.9 mm; 2 x 0.08 mm<sup>2</sup>

Connector: 1 x M8; coding: A; Contacts: 3



### Connection



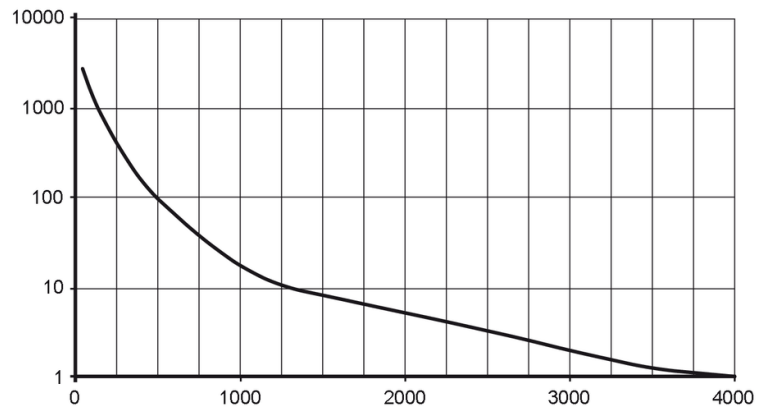


## Through-beam sensor transmitter

O8S-OOKG/0,30M/AS/3P

### Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor