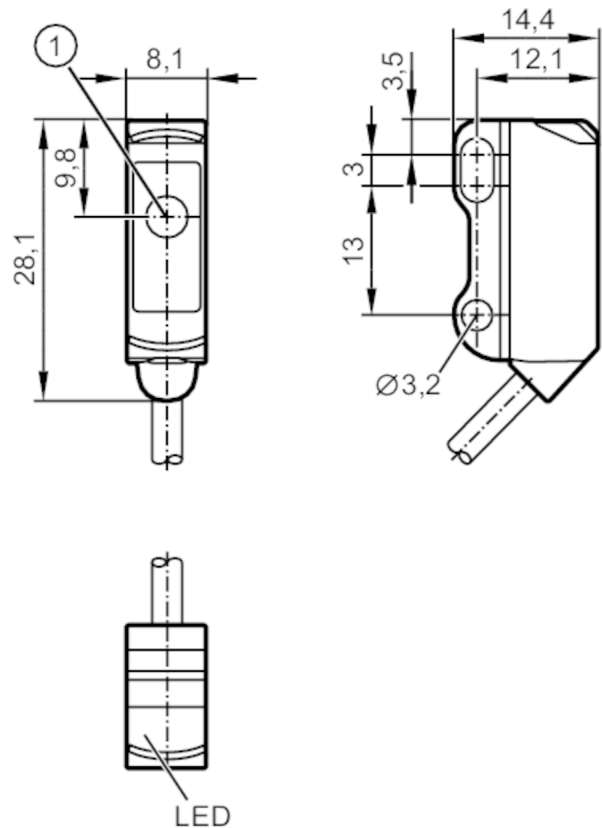


O8S200



Through-beam sensor transmitter

O8S-00KG/2,0M



1: Sensing surface



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
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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

O8S200



Through-beam sensor transmitter

O8S-00KG/2,0M

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	2912
UL approval	Ta	-25...60 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval number	E027
	File number UL	E174191

Mechanical data

Weight	[g]	40
Housing		rectangular
Dimensions	[mm]	28.1 x 8.1 x 14.4
Material		housing: ABS; stainless steel (1.4404 / 316L)
Lens material		PMMA
Lens alignment		Side sensing

Displays / operating elements

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

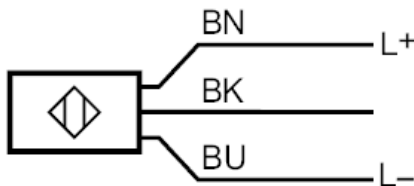
Remarks

Pack quantity	1 pcs.
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Electrical connection

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

Connection



	Core colors
BN	brown
BK	black
BU	blue

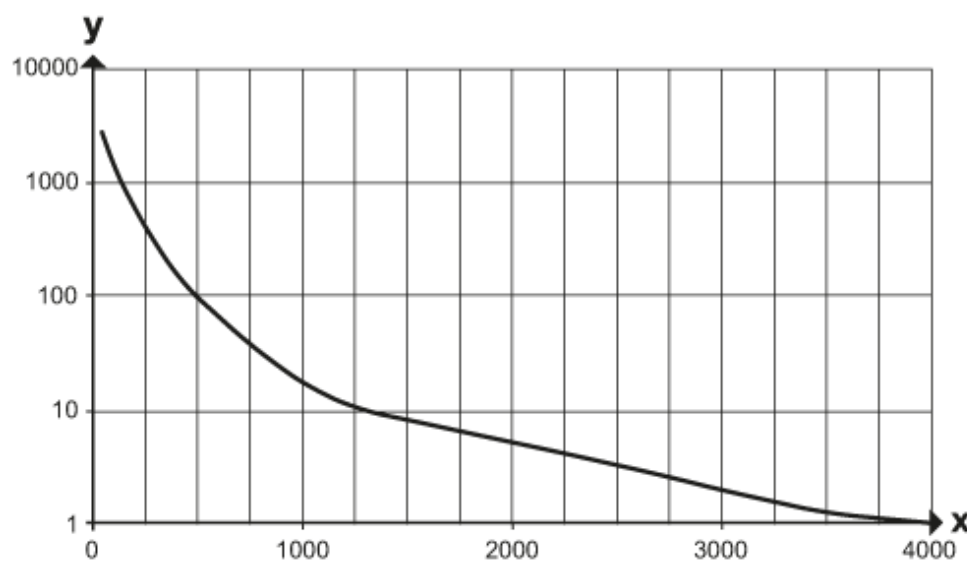


Through-beam sensor transmitter

O8S-00KG/2,0M

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor