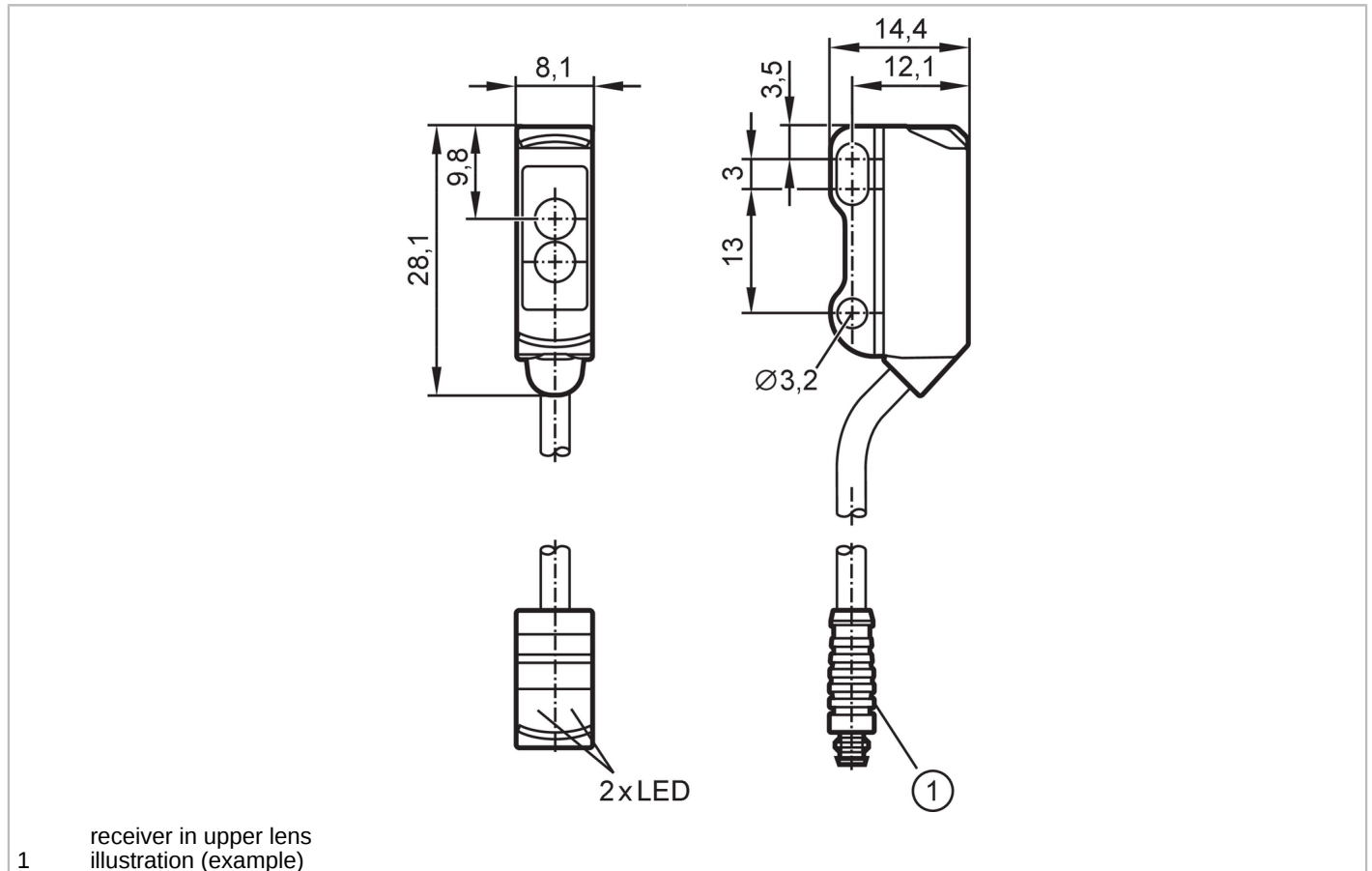


O8E205



Through-beam sensor receiver

O8E-DNKG/0,30M/AS/4P



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]	15; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633
Outputs	
Electrical design	NPN
Output function	dark-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000

O8E205



Through-beam sensor receiver

O8E-DNKG/0,30M/AS/4P

Short-circuit protection	yes
Type of short-circuit protection	pulsed

Detection zone	
Transmitter / receiver	receiver
Range [m]	< 3

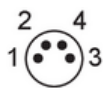
Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 65; IP 67

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	1152	
UL approval	Ta	-25...60 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current
	UL approval no.	E015
	File number UL	E174191

Mechanical data	
Weight [g]	23.1
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.

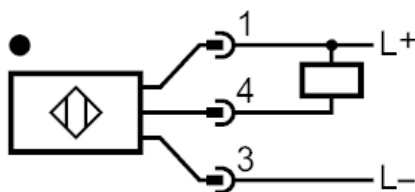
Electrical connection	
Cable: 0.3 m, PVC, black, Ø 2.9 mm; 3 x 0.08 mm ²	
Connector: 1 x M8; coding: A	
	



Through-beam sensor receiver

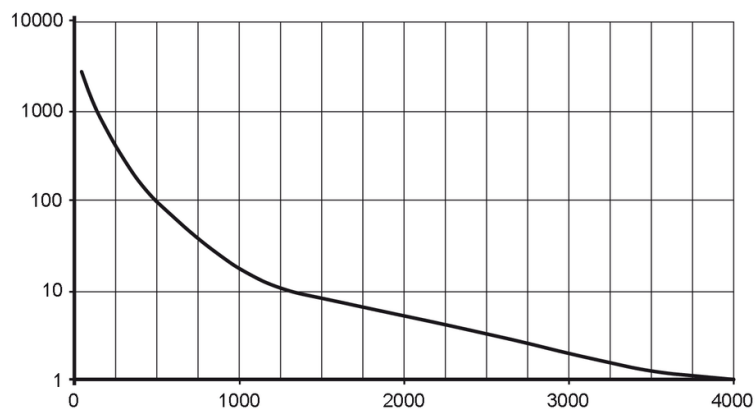
O8E-DNKG/0,30M/AS/4P

Connection



Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor