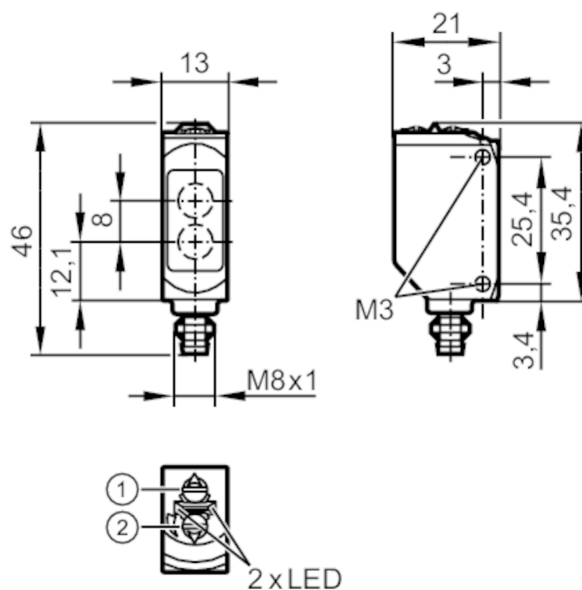


O6T210



Diffuse reflection sensor

O6T-CPKG/AS/4P



- 1: output function switch
2: potentiometer sensitivity



Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	16; ((24 V))
Protection class		III
Reverse polarity protection		yes
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	633

Outputs

Electrical design		PNP
Output function		complementary
Max. voltage drop switching output DC	[V]	0.5
Minimum load current	[mA]	10
Max. leakage current	[mA]	0.1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed



Diffuse reflection sensor

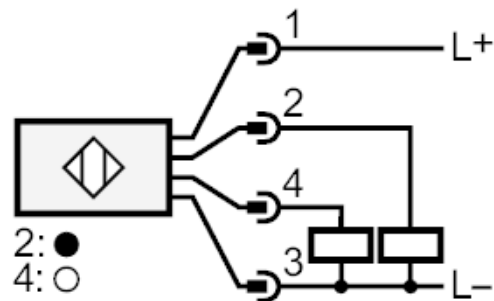
O6T-CPKG/AS/4P

Detection zone		
Range	[mm]	5...500; (white paper 200 x 200 mm 90 % remission)
Range adjustable		yes
Max. light spot diameter	[mm]	15
Light spot dimensions refer to		at maximum range
Monitoring range final value	[mm]	5...500
Response times		
Response time	[s]	< 300
Operating conditions		
Ambient temperature	[°C]	-10...60
Protection		IP 65; IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	1172
UL approval		UL Approval no. E009
Mechanical data		
Weight	[g]	17.4
Housing		rectangular
Dimensions	[mm]	46 x 13 x 21
Materials		housing: ABS; PPSU; connector thread: metal coated; Sealing: EPDM
Lens material		PMMA
Lens alignment		side lens
Material nut		metal
Tightening torque	[Nm]	0.5; (screws)
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M8; Locking: metal, coated		

Diffuse reflection sensor

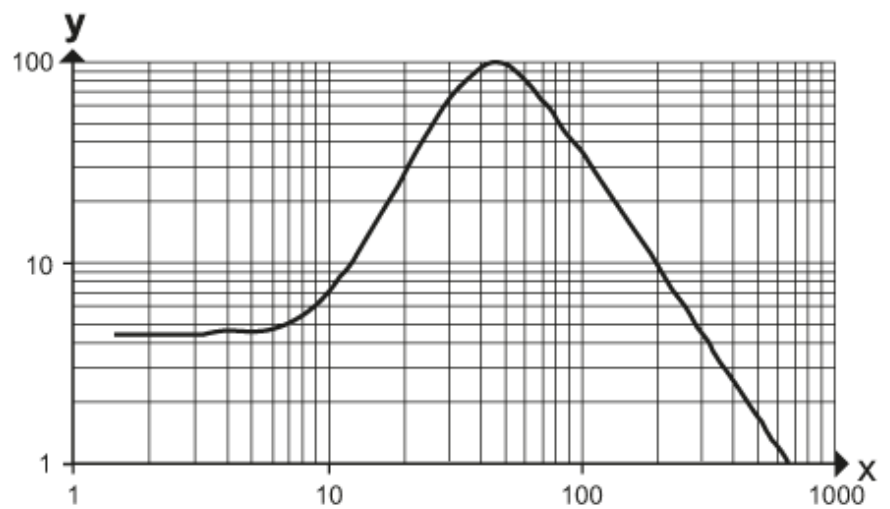
O6T-CPKG/AS/4P

Connection



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor