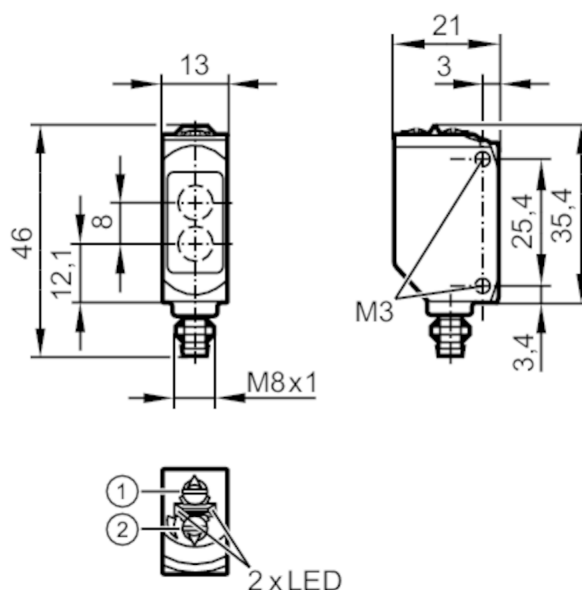


Retro-reflective sensor

O6P-FPKG/AS/3P



- 1 output function switch
2 potentiometer sensitivity
receiver in upper lens
transmitter in lower lens



Application

Function principle	Retro-reflective 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

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC	[V] 2.5
Permanent current rating of switching output DC	[mA] 100
Switching frequency DC	[Hz] 1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed



Retro-reflective sensor

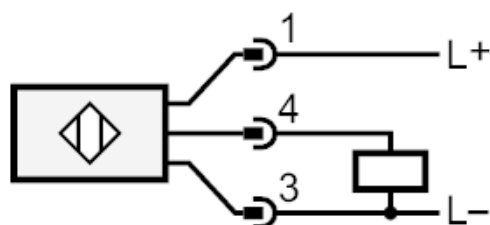
O6P-FPKG/AS/3P

Detection zone		
Range referred to prismatic reflector	[m]	0.05...5; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	150
Light spot dimensions refer to		at maximum range
Polarisation filter available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	895
UL approval		UL Approval no. E001
Mechanical data		
Weight	[g]	19.2
Housing		rectangular
Dimensions	[mm]	46 x 13 x 21
Materials		housing: ABS; PPSU; connector thread: brass coated; Sealing: EPDM
Lens material		PMMA
Lens alignment		side lens
Material nut		brass
Tightening torque	[Nm]	0.5
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: brass, coated		
		

Retro-reflective sensor

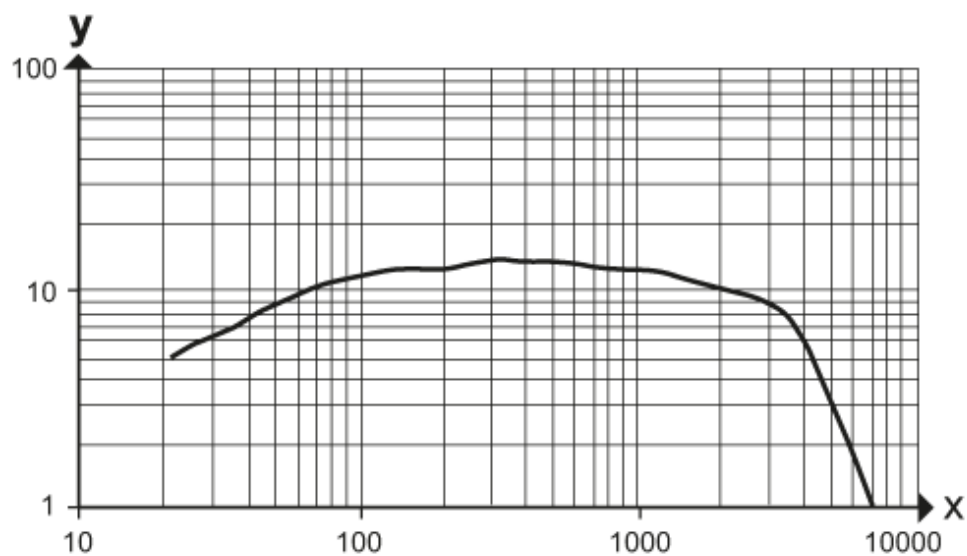
O6P-FPKG/AS/3P

Connection



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor