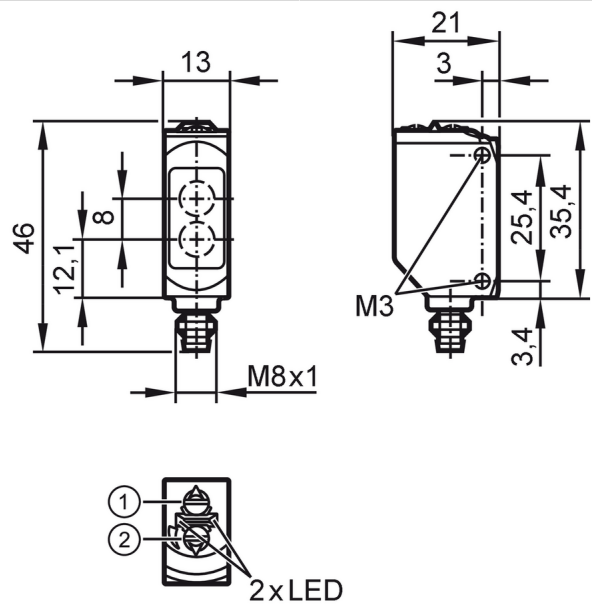


O6T215



Diffuse reflection sensor

O6TIFPKG/AS/4P



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



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	16; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	850

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		yes (non-latching)

O6T215



Diffuse reflection sensor

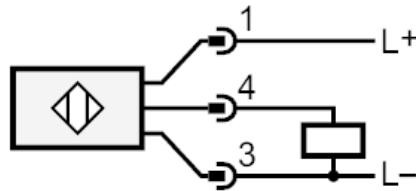
O6TIFPKG/AS/4P

Monitoring range		
Range	[mm]	5...600; (white paper 200 x 200 mm 90 % remission)
Setting range	[mm]	100...600
Range adjustable		yes
Max. light spot diameter	[mm]	24
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	898
UL approval	Ta	-25...40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E001
Mechanical data		
Weight	[g]	19
Housing		rectangular
Dimensions	[mm]	46 x 13 x 21
Material		housing: ABS orange; upper part of the housing: PPSU black
Lens material		front lens:PMMA
Lens alignment		Side sensing
Sealing material		EPDM
Tightening torque	[Nm]	0.5
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M8; coding: A; Contacts: 4; Locking: brass, coated; sealing: EPDM		

Diffuse reflection sensor

O6TIFPKG/AS/4P

Connection



Diagrams and graphs

excess gain graph

