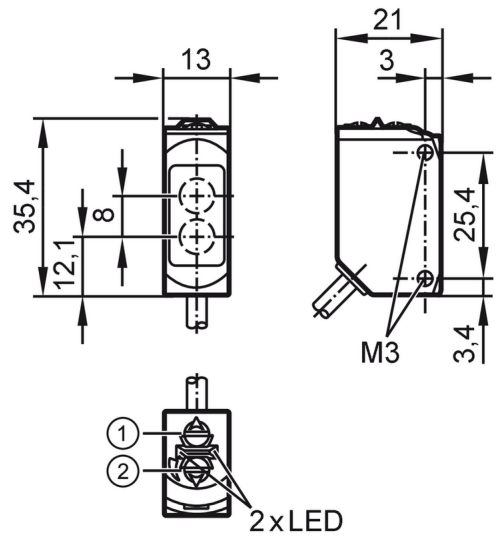


O6T218



Diffuse reflection sensor

O6TIFNKG/5M



- 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		NPN
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)
Monitoring range		
Range	[mm]	5...600; (white paper 200 x 200 mm 90 % remission)

O6T218



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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	
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Mechanical data

Weight	[g]	121.6
Housing		rectangular
Dimensions	[mm]	35.4 x 13 x 21
Material		housing: ABS orange; upper part of the housing: PPSU black
Lens material		front lens:PMMA
Lens alignment		Side sensing
Tightening torque	[Nm]	0.5

Displays / operating elements

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

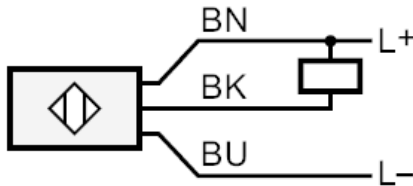
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 5 m, PUR; 3 x 0.25 mm²

Connection



	Core colors :
BK =	black
BN =	brown
BU =	blue



Diffuse reflection sensor

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Diagrams and graphs

excess gain graph

