

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
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)

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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; PPSU
Lens material		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

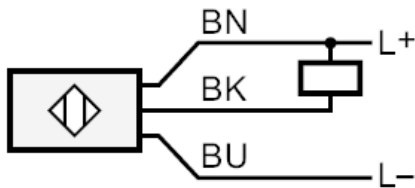
Remarks

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



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Diagrams and graphs

excess gain graph

