



Diffuse reflection sensor

OTT-FNKG

Article no longer available - archive entry

Alternative articles: O5H504

When selecting an alternative article and accessories please note that technical data may differ!



- 1 potentiometer
receiver in lower lens
transmitter in upper lens

Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	40; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes



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Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Range [mm]	4...200; (white paper 200 x 200 mm)	
Range adjustable	yes	
Max. light spot diameter [mm]	187	
Light spot dimensions refer to	at maximum range	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight [g]	0.205	
Housing	rectangular	
Dimensions [mm]	75 x 19 x 30	
Materials	PBT	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Items supplied	Angle bracket: 1, E20441	
	screwdrivers	
Remarks		
Pack quantity	1 pcs.	



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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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

Diagrams and graphs

excess gain graph

