



Diffuse reflection sensor

OLB-FNKG/LS-400

Article no longer available - archive entry

Alternative articles: O5H504 + E21122

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

No scale drawing available

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...36 DC
Current consumption	[mA]	< 37
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]	100; (200 (...50 °C))
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes



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Detection zone		
Range	[mm]	1...800; (white paper 200 x 200 mm 90% remission)
Range adjustable		yes
Max. light spot diameter	[mm]	80
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Dimensions	[mm]	75 x 27 x 62
Materials		PBT
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x 7/8" / M12; coding: A



Connection

