



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; (configurable)
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		yes (non-latching)
Overload protection		yes

OL5044



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Monitoring range		
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
Material		PBT
Lens material		PMMA

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	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

