

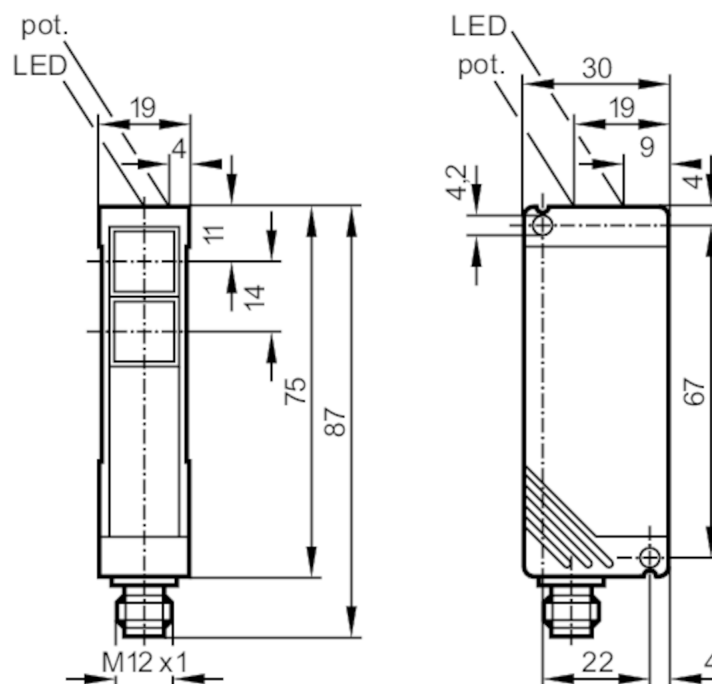
Diffuse reflection sensor

OTT-FNKG/US-100-INF

Article no longer available - archive entry

Alternative articles: O5H504

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



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...50 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; (configurable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150

OT5004



Diffuse reflection sensor

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Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

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 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Weight [g]	0.161
Housing	rectangular
Dimensions [mm]	75 x 19 x 30
Material	PBT
Lens material	PMMA

Displays / operating elements

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

Accessories

Items supplied	Angle bracket: 1, E20461
	screwdrivers

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A





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Connection



Diagrams and graphs

excess gain graph

