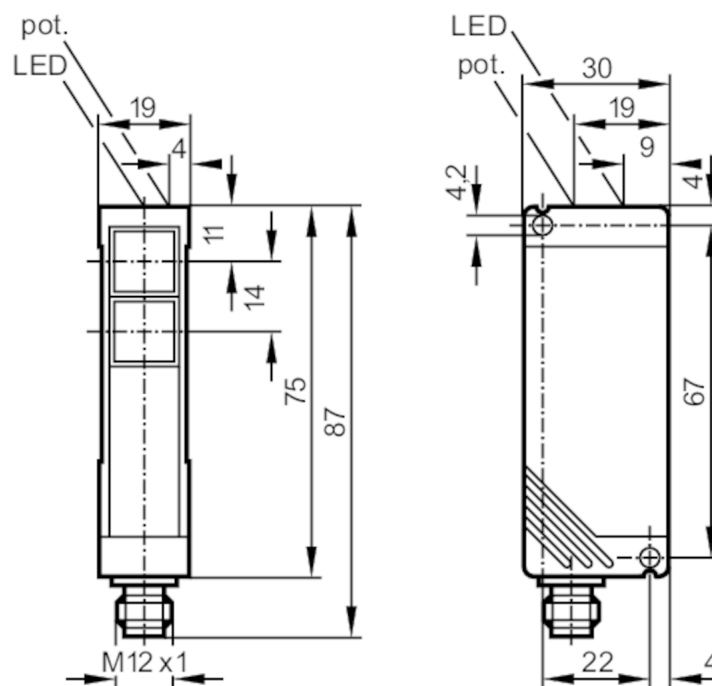


Diffuse reflection sensor

OTT-FPKG/US-100-IPF

Article no longer available - archive entry



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		PNP
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
Type of short-circuit protection		pulsed

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Overload protection	yes
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Detection zone

Range [mm]	10...40; (white paper 200 x 200 mm)
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Range adjustable	yes
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Operating conditions

Ambient temperature [°C]	-25...60
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Protection	IP 65
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	rectangular
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Dimensions [mm]	75 x 19 x 30
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Materials	PBT
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Lens material	PMMA
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Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Accessories

Items supplied	Angle bracket
	screwdrivers

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



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Connection

