

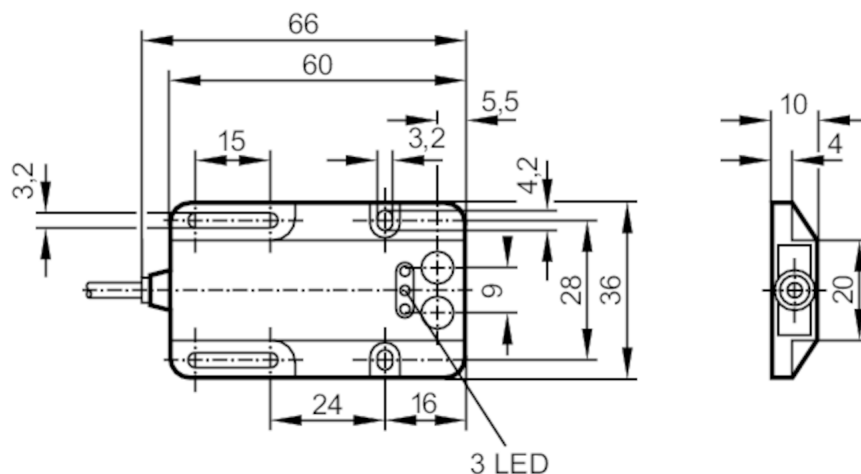
Diffuse reflection sensor

OWT-FPKG/6M

Article no longer available - archive entry

Alternative articles: OJ5000

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



transmitter in lower lens

Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	35; ((36 V))
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

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]	200
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range	[mm]	1...150; (white paper 200 x 200 mm)
Max. light spot diameter	[mm]	15

OW1001



Diffuse reflection sensor

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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

Housing		rectangular
Dimensions	[mm]	36 x 60 x 10
Materials		ABS glass fibre reinforced
Lens material		PMMA

Displays / operating elements

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

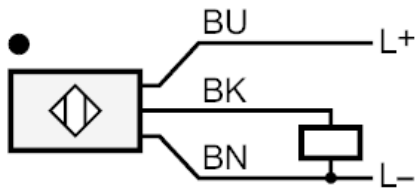
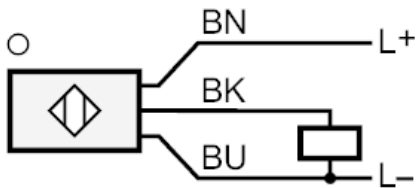
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 6 m, PVC; 3 x 0.14 mm²

Connection



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



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Diagrams and graphs

excess gain graph

