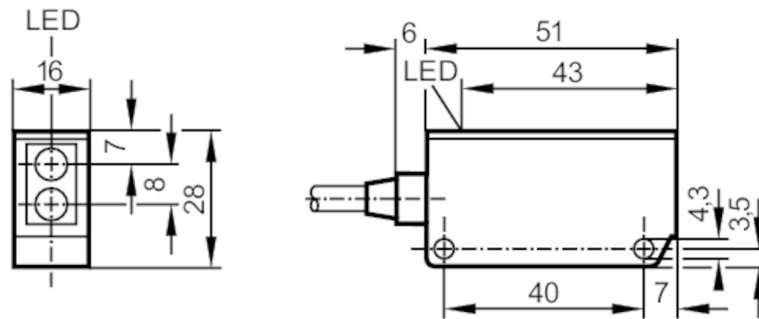




Diffuse reflection sensor

OUN-DPKG

Article no longer available - archive entry



receiver in upper lens
transmitter in lower lens

Product characteristics

Type of light	infrared light
Housing	rectangular
Dimensions [mm]	28 x 16 x 51

Application

Special feature	Diffuse reflection sensor for short ranges
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	35; ((24 V))
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880

Outputs

Electrical design	PNP
Output function	dark-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	160
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range [mm]	20...40; (white paper 200 x 200 mm)
Max. light spot diameter [mm]	20
Light spot dimensions refer to	at maximum range
Diffuse reflection sensor for short ranges	yes

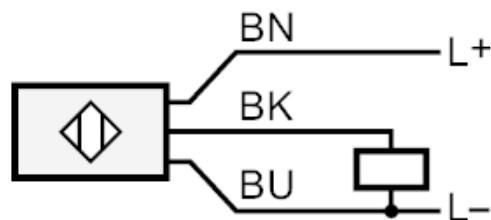
OU5026



Diffuse reflection sensor

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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Materials		PPO modified
Lens material		glass
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		Angle bracket: 1 x, E20211
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.34 mm ²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black

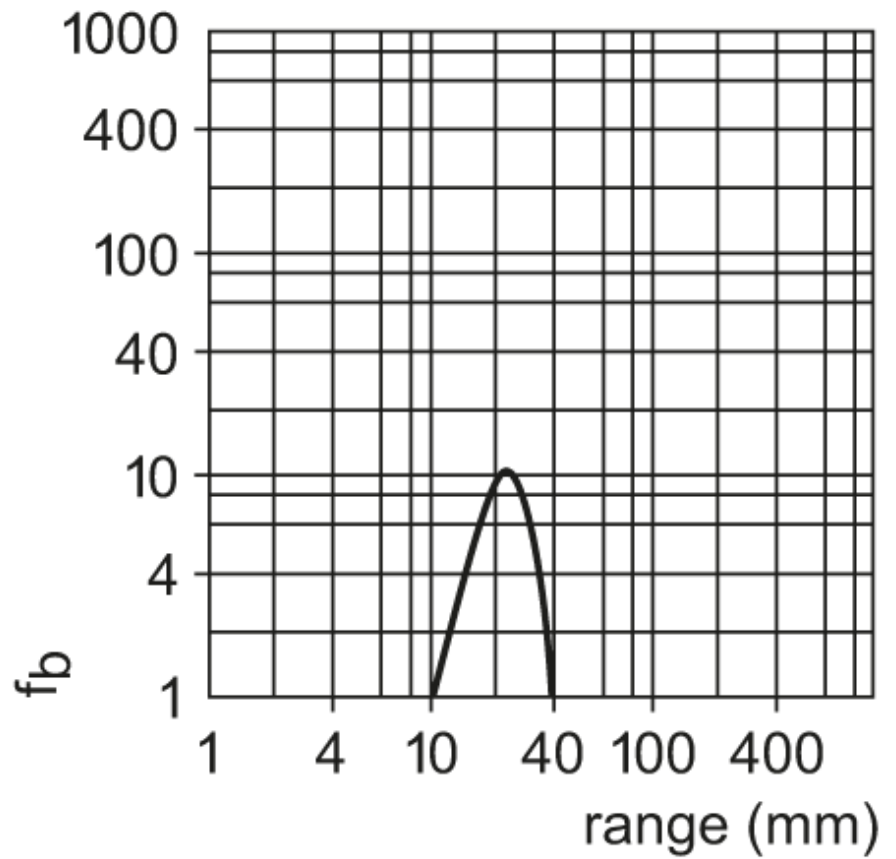


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Diagrams and graphs

excess gain graph



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