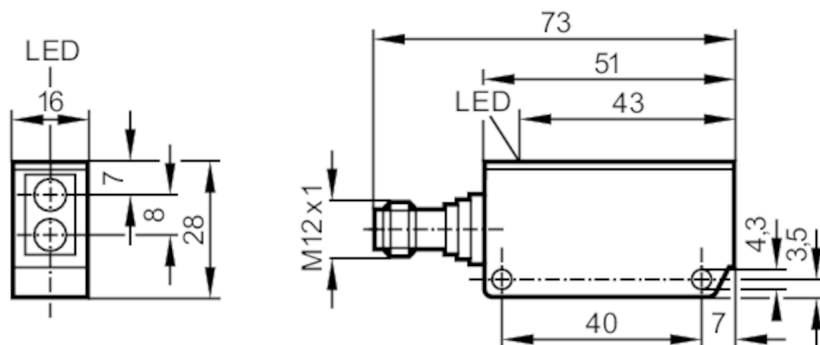




Diffuse reflection sensor

OUN-DPKG/US-100-DPO

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receiver in upper lens
transmitter in lower lens



Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...55 DC
Current consumption	[mA]	< 35
Protection class		III
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
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

Operating conditions

Ambient temperature	[°C] -25...80
Protection	IP 67

OU5084



Diffuse reflection sensor

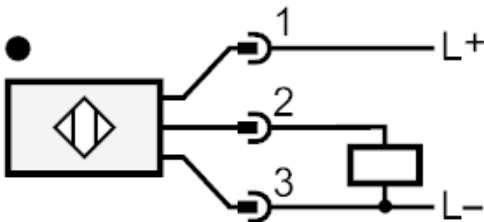
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Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	685
Mechanical data		
Weight	[g]	70.6
Housing	rectangular	
Dimensions	[mm]	28 x 16 x 51
Materials	PPO modified	
Lens material	glass	
Lens alignment	side lens	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	Angle bracket: 1 x, E20211	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12



Connection



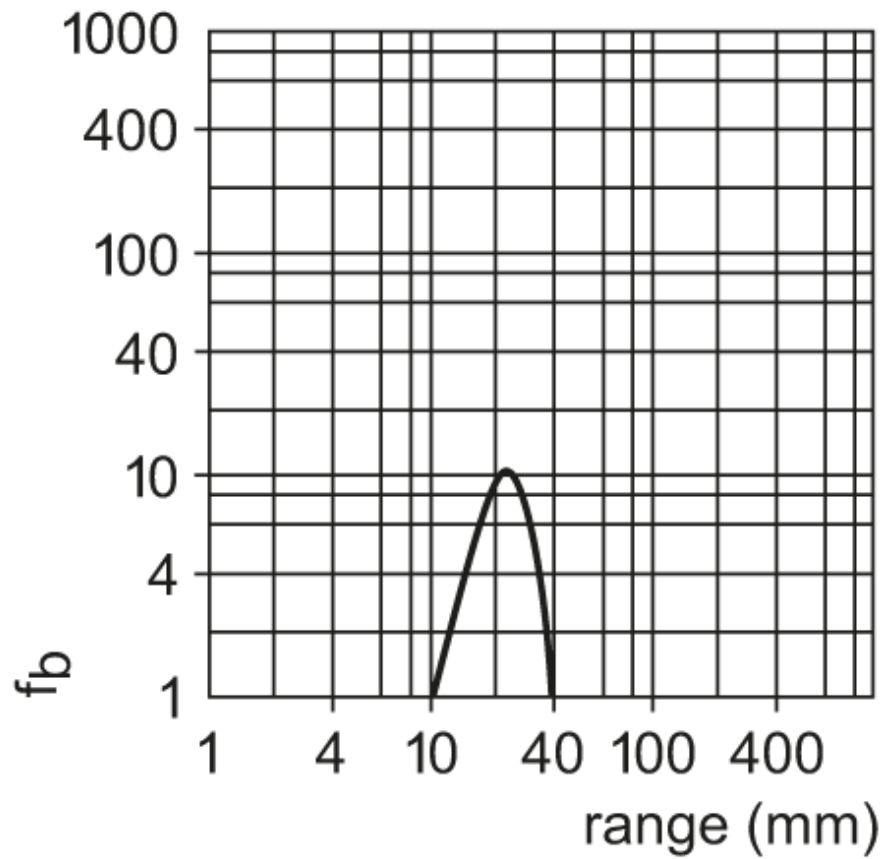


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Diagrams and graphs

excess gain graph



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