

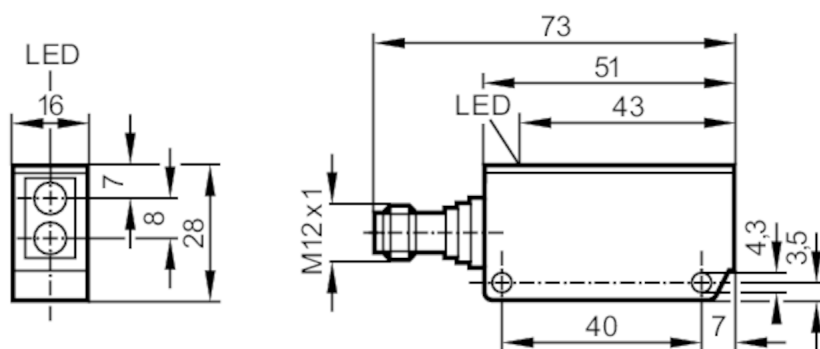
Diffuse reflection sensor

OUN-DNKG/US-100-DNO

Article no longer available - archive entry

Alternative articles: OU5028

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



receiver in upper lens
transmitter in lower lens

Product characteristics

Type of light	infrared light
Housing	rectangular

Application

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

Electrical data

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	35; ((24 V))
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880

Outputs

Electrical design		NPN
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]	< 40; (white paper 200 x 200 mm)
Diffuse reflection sensor for short ranges		yes



Diffuse reflection sensor

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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
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		
Items supplied		Angle bracket
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x M12; coding: A



Connection

