



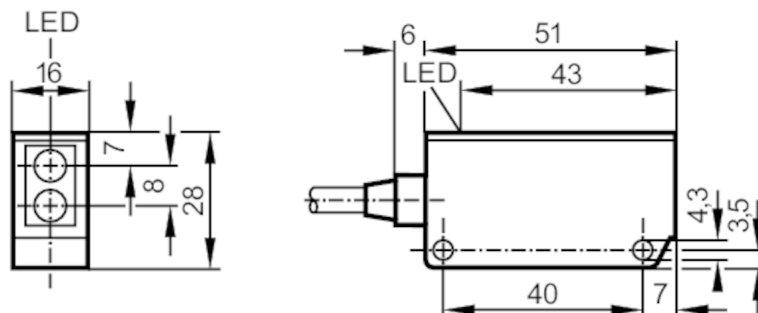
Diffuse reflection sensor

OUN-HNKG

Article no longer available - archive entry

Alternative articles: OU5085

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...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		NPN
Output function		light-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



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Diffuse reflection sensor for short ranges	yes
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Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2
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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
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Accessories

Items supplied	Angle bracket: 1, E20211
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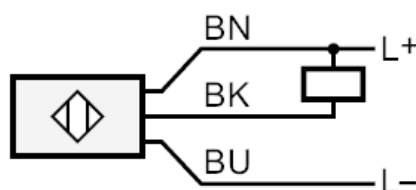
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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



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Diagrams and graphs

excess gain graph

