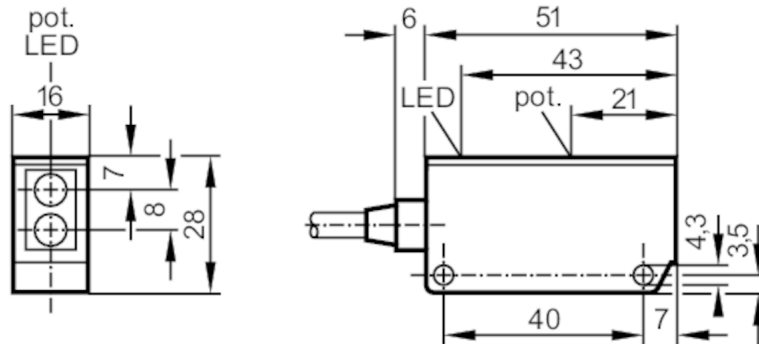




Retro-reflective sensor

OUR-DNKG

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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

Function principle	Retro-reflective sensor
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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]	950

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 [m]	0.15...3; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes
Max. light spot diameter [mm]	262
Light spot dimensions refer to	at maximum range

OU5016

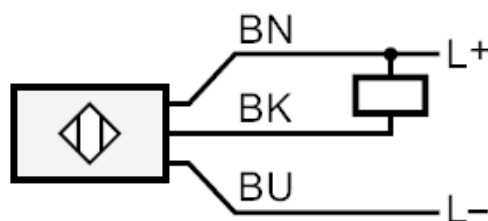


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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	685
Mechanical data		
Weight	[g]	0.159
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Materials		PPO 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

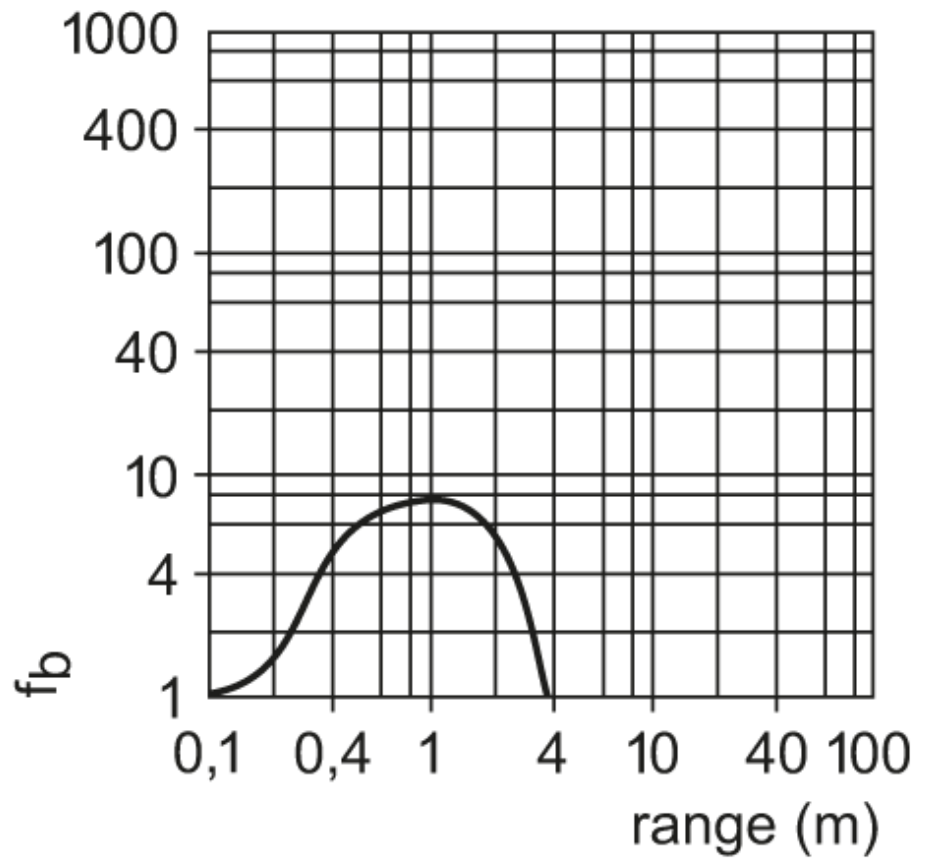


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Diagrams and graphs

excess gain graph



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