OT5011

Retro-reflective sensor

OTR-FPKG

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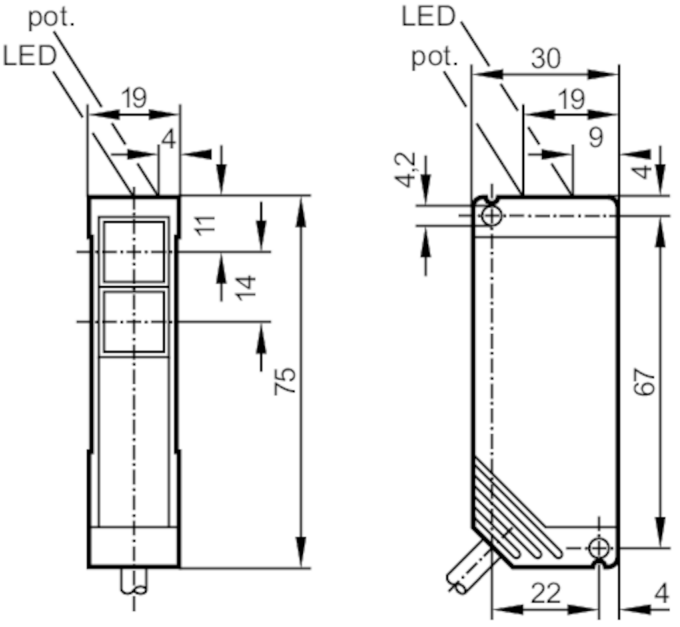
Alternative articles: O5P501

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



1 potentiometer
receiver in lower lens
transmitter in upper lens

Product characteristics		
Type of light		infrared light
Housing		rectangular
Application		
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	40; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes

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Type of short-circuit protection		pulsed	
Overload protection		yes	
Detection zone			
Range	[m]	0.15...5; (Prismatic reflector Ø 80 E20005)	
Range adjustable		yes	
Max. light spot diameter	[mm]	262	
Light spot dimensions refer to		at maximum range	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Weight	[g]	0.201	
Housing		rectangular	
Dimensions	[mm]	75 x 19 x 30	
Materials		PBT	
Lens material		PMMA	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied		Angle bracket: 1, E20441	
		screwdrivers	
Remarks			
Pack quantity		1 pcs.	

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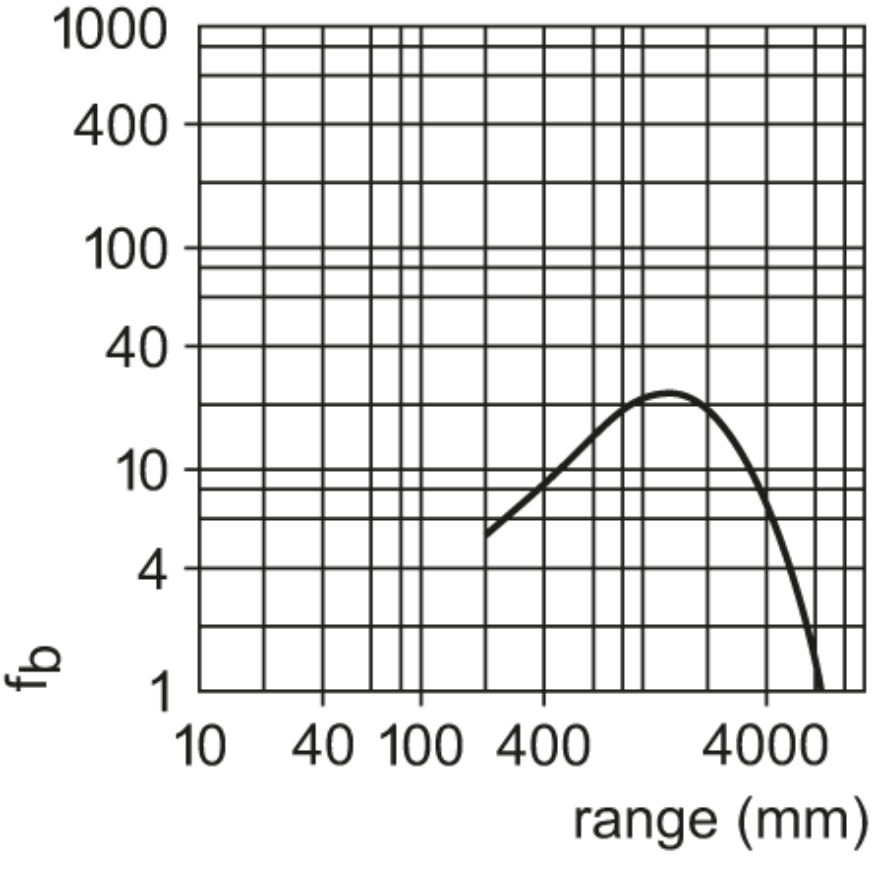
Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection

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

Diagrams and graphs

excess gain graph