OT5007

Through-beam sensor receiver

OTE-FNKG

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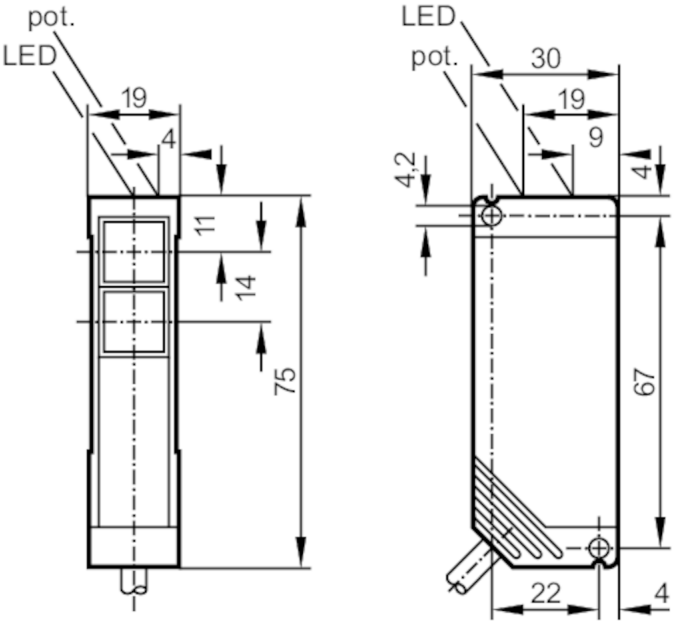
Alternative articles: O5E502
When selecting an alternative article and accessories please note that technical data may differ!



1 potentiometer
Receiver in lower lens

Product characteristics		
Type of light		Infrared light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	30; ((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/dark-on mode; (configurable)
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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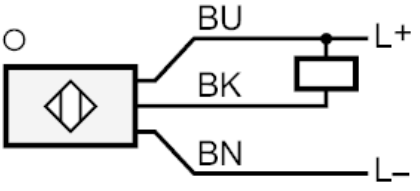
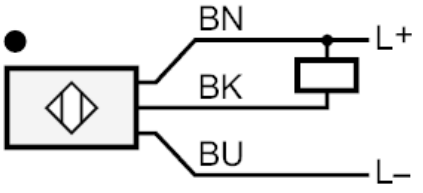
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Transmitter / receiver		receiver	
Range	[m]	< 10	
Range adjustable		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Weight	[g]	0.201	
Housing		rectangular	
Dimensions	[mm]	75 x 19 x 30	
Material		PBT	
Lens material		PMMA	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
		Power	1 x LED, green
Accessories			
Items supplied		Angle bracket: 1, E20441	
		screwdrivers	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection





Core colors :

BN = brown
BU = blue
BK = black

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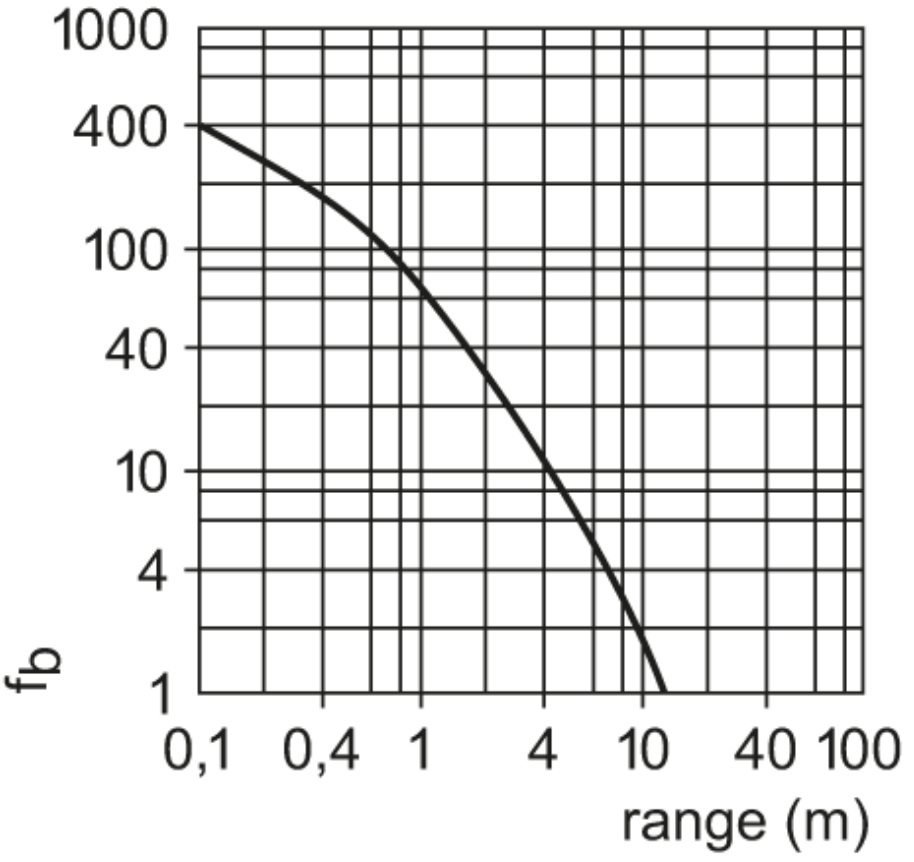
Diagrams and graphs

excess gain graph