OF5019

Through-beam sensor receiver



OFE-FPKG

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Product characteristics						
Type of light		Infrared light				
Housing		Threaded type				
Application						
Function principle		Through-beam sensor				
Electrical data						
Operating voltage	[V]	1036 DC				
Current consumption	[mA]	< 25				
Protection class		Π				
Reverse polarity protection		yes				
Type of light		Infrared light				
Wave length	[nm]	880				
Outputs						
Electrical design		PNP				
Electrical design Output function		PNP light-on/dark-on mode; (programmable)				
	[V]					
Output function Max. voltage drop switching	[V] [mA]	light-on/dark-on mode; (programmable)				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC		light-on/dark-on mode; (programmable) 2.5				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC	[mA]	light-on/dark-on mode; (programmable) 2.5 200				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection	[mA]	light-on/dark-on mode; (programmable) 2.5 200 320				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit	[mA]	light-on/dark-on mode; (programmable) 2.5 200 320 yes				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection	[mA]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes (non-latching)				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection Overload protection	[mA]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes (non-latching)				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection Overload protection Monitoring range	[mA]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes (non-latching) yes				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection Overload protection Monitoring range Transmitter / receiver	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes yes (non-latching) yes				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection Overload protection Monitoring range Transmitter / receiver Range	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes yes (non-latching) yes				
Output functionMax. voltage drop switching output DCPermanent current rating of switching output DCSwitching frequency DCShort-circuit protectionType of short-circuit protectionOverload protectionMonitoring range Transmitter / receiverRangeOperating conditions	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 200 320 yes yes yes (non-latching) yes 				
Output functionMax. voltage drop switching output DCPermanent current rating of switching output DCSwitching frequency DCShort-circuit protectionType of short-circuit protectionOverload protectionMonitoring rangeTransmitter / receiverRangeOperating conditionsAmbient temperature	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes (non-latching) yes constant receiver <4				
Output function Max. voltage drop switching output DC Permanent current rating of switching output DC Switching frequency DC Short-circuit protection Type of short-circuit protection Overload protection Monitoring range Transmitter / receiver Range Operating conditions Ambient temperature Protection	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 320 320 yes yes (non-latching) yes receiver -2560 IP 67				
Output functionMax. voltage drop switching output DCPermanent current rating of switching output DCSwitching frequency DCShort-circuit protectionType of short-circuit protectionOverload protectionMonitoring rangeTransmitter / receiverRangeOperating conditionsAmbient temperatureProtectionTests / approvals	[mA] [Hz]	light-on/dark-on mode; (programmable) 2.5 200 320 yes yes (non-latching) yes receiver <4				

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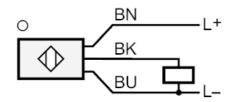
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Mechanical data				
Weight	[g]	73		
Housing		Threaded type		
Dimensions	[mm]	M12 x 1 / L = 60		
Thread designation		M12 x 1		
Material		brass nickel-plated		
Lens material		PMMA		
Displays / operating ele	ements			
Display		Switching status	1 x LED, yellow	
		Power	1 x LED, green	
Accessories				
Items supplied		lock nuts: 2		
Remarks				
Pack quantity		1 pcs.		
Electrical connection				
Cable: 2 m, PUR; 3 x 0.3	4 mm ²			

Connection



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\Diamond		
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	Core colors :
BN =	brown
BU =	blue
BK =	black

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