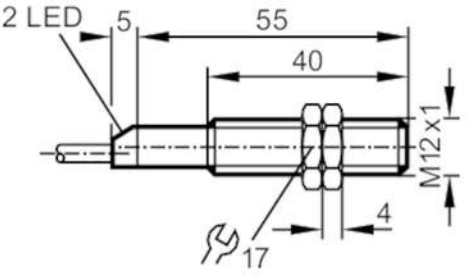
OF5032

Diffuse reflection sensor

OFT-FPKG/V4A/6M



Product characteristics		
Type of light		infrared light
Housing		threaded type
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30
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; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	320
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[mm]	1...200; (white paper 200 x 200 mm)
Range adjustable		no
Max. light spot diameter	[mm]	92
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67

OF5032

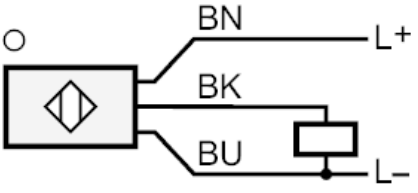
Diffuse reflection sensor

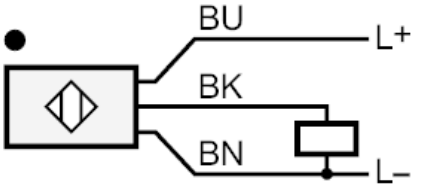
OFT-FPKG/V4A/6M

Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	891	
Mechanical data			
Weight	[g]	154.2	
Housing		threaded type	
Dimensions	[mm]	M12 x 1 / L = 60	
Thread designation		M12 x 1	
Materials		stainless steel (316Ti/1.4571)	
Lens material		PMMA	
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 6 m, PUR; 3 x 0.34 mm²

Connection





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

OF5032

Diffuse reflection sensor

OFT-FPKG/V4A/6M

Diagrams and graphs

excess gain graph

