OF5038

Retro-reflective sensor

OFR-FPKG

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Alternative articles: OF5014
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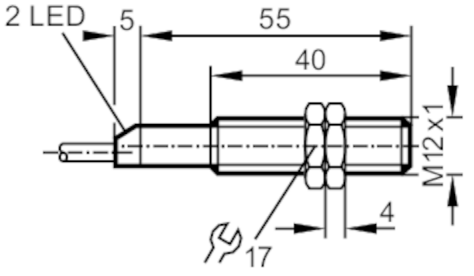

Product characteristics		
Type of light		infrared light
Housing		threaded type
Application		
Function principle		Retro-reflective sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[m]	< 2; (Prismatic reflector Ø 80 E20005)
Range referred to prismatic reflector	[m]	0.05...2; (Prismatic reflector Ø 80 E20005)
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67

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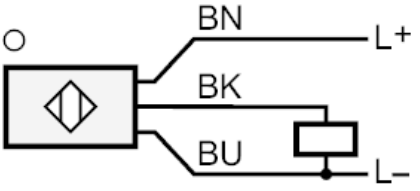
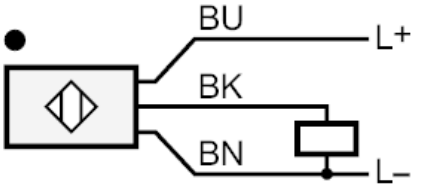
Mechanical data			
Housing			threaded type
Dimensions	[mm]		M12 x 1 / L = 60
Thread designation			M12 x 1
Materials			housing: brass white bronze coated
Lens material			PMMA
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection			
Cable: 2 m, PVC; 3 x 0.34 mm²			
Connection			





Core colours :

BN = brown
BU = blue
BK = black