



Model Number

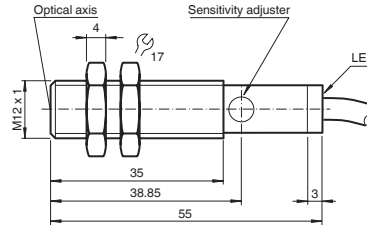
GLV12-8-200/37/40b/115a

Diffuse mode sensor
with 300 mm fixed cable and 4-pin, M8 x 1 connector

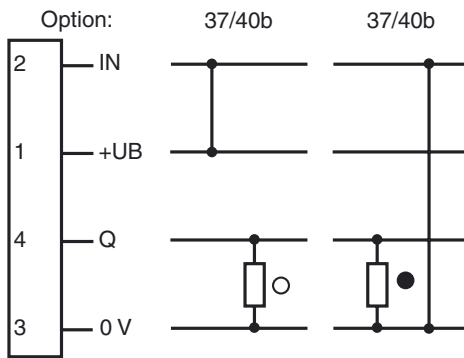
Features

- M12 threaded housing made of brass, nickel plated
- Visible red light
- Light/dark ON, programmable
- Degree of protection IP67

Dimensions



Electrical connection



○ = Light on
● = Dark on

Pinout



Release date: 2014-04-15 09:37 Date of issue: 2014-04-24 266269_eng.xml

Technical data**General specifications**

Detection range	0 ... 200 mm
Adjustment range	20 ... 200 mm
Reference target	standard white 200 mm x 200 mm
Light source	LED, 640 nm
Light type	modulated visible red light
Ambient light limit	20000 Lux

Indicators/operating means

Function indicator	LED yellow: switching state
Control elements	Detection range adjuster

Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 25 ms

Input

Control input	light on +UB dark on: 0 V
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Output

Switching type	light/dark on
Signal output	1 PNP output, short-circuit protected, reverse polarity protected, open collector
Switching voltage	max. 30 V DC
Switching current	max. 300 mA
Voltage drop	U_d ≤ 3 V
Switching frequency	f ≤ 700 Hz
Response time	≤ 0.7 ms

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-25 ... 55 °C (-13 ... 131 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

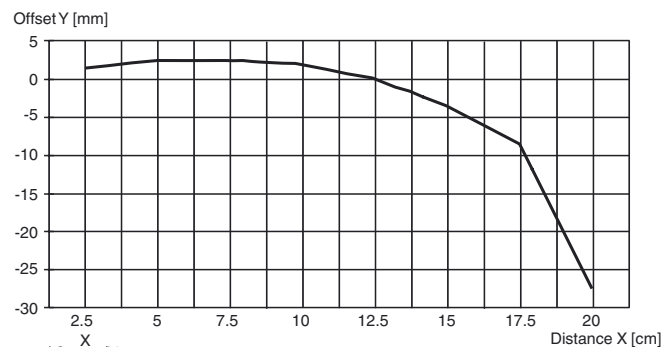
Degree of protection	IP67
Connection	300 mm fixed cable with M8 connector, 4-pin
Material	
Housing	brass, nickel-plated
Optical face	PMMA
Mass	45 g

Compliance with standards and directives

Directive conformity	EMC Directive 2004/108/EC
Standard conformity	
Product standard	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

CCC approval	CCC approval / marking not required for products rated ≤ 36 V
Approvals	CE

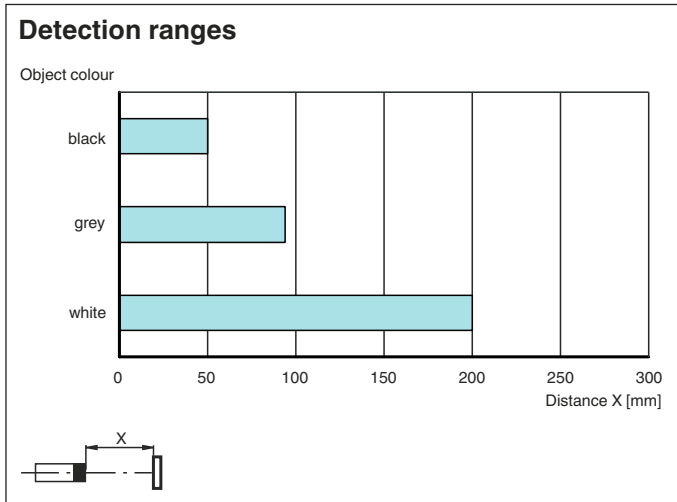
Curves/Diagrams**Characteristic response curve****Accessories****BF 12**

Mounting flange, 12 mm

BF 5-30

Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

Other suitable accessories can be found at www.pepperl-fuchs.com



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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