



### Model Number

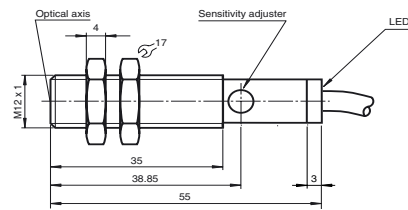
**GLV12-8-200/37/40b/115**

Diffuse mode sensor  
with 2 m fixed cable

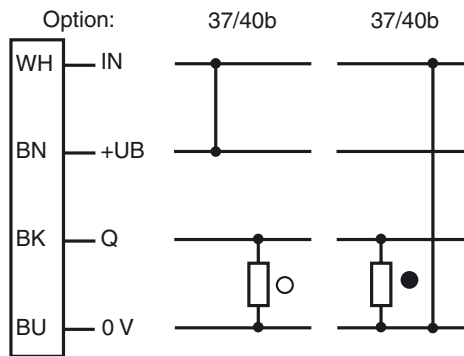
### Features

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

### Dimensions



### Electrical connection



○ = Light on  
● = Dark on

## Technical data

### General specifications

Detection range	0 ... 200 mm
Light source	LED, 660 nm
Approvals	CE
Adjustment range	20 ... 200 mm
Reference target	standard white 200 mm x 200 mm
Light type	red, modulated light
Ambient light limit	20000 Lux

### Indicators/operating means

Function display	LED yellow: switching state
Operating elements	sensing range adjuster

### Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current	$I_0 \leq 20 \text{ mA}$
Time delay before availability	$t_v \leq 25 \text{ ms}$

### Input

Control input	Light ON: +UB Dark ON: 0 V
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### Output

Switching type	light/dark switching
Signal output	1 PNP output, short-circuit proof, protected from reverse polarity, open collector
Switching voltage	max. 30 V DC
Switching current	max. 300 mA
Voltage drop	$U_d \leq 3 \text{ V}$
Switching frequency	$f \leq 700 \text{ Hz}$
Response time	$\leq 0.7 \text{ ms}$

### Standard conformity

Standards	EN 60947-5-2
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### Ambient conditions

Ambient temperature	-25 ... 55 °C (248 ... 328 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)

### Mechanical specifications

Protection degree	IP67
Connection	fixed cable 2 m
Material	
Housing	brass, nickel-plated
Optical face	PMMA
Mass	45 g

### Characteristic response curve

GLV12-8-200/

