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Model Number

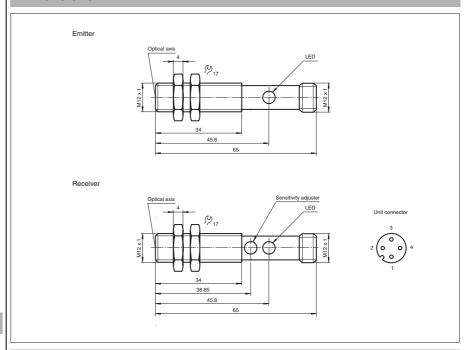
G12/GV12/37/40b/92

Thru-beam sensor with 4-pin, M12 x 1 connector

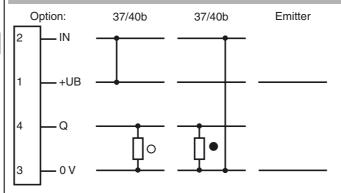
Features

- Basic Series with M12 metal housing for standard applications
- Robust M12 threaded housing
- Visible red light
- Light/dark ON, programmable

Dimensions



Electrical connection



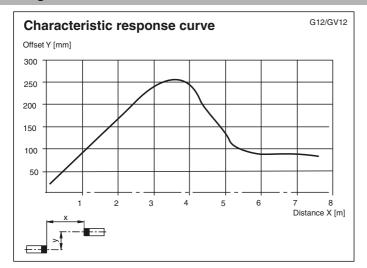
- O = Light on
- = Dark on

Pinout



Technical data System components Emitter G12/92 GV12/37/40b/92 General specifications Effective detection range 0 5000 mm 250 ... 5000 mm Adjustment range Reference target receiver Light source Light type modulated visible red light, 660 nm Optical face frontal Ambient light limit 20000 Lux Indicators/operating means LED yellow: switching state Function indicator Control elements sensitivity adjustment, receiver **Electrical specifications** 10 ... 30 V DC Operating voltage 10 % Ripple < 20 mA No-load supply current I_0 Time delay before availability t., ≤ 25 ms Input Control input light on +UB dark on: 0 V Output Switching type light/dark on 1 PNP output, short-circuit protected, reverse polarity protected, Signal output open collector Switching voltage max. 30 V DC Switching current max. 300 mA Voltage drop U_d ≤ 3 V ≤ 500 Hz Switching frequency Response time ≤ 1 ms Standard conformity Standards EN 60947-5-2 **Ambient conditions** -25 ... 55 °C (-13 ... 131 °F) Ambient temperature Storage temperature -40 ... 70 °C (-40 ... 158 °F) **Mechanical specifications** Protection degree Connection connector M12 x 1, 4-pin Material Housing brass, nickel-plated Optical face **PMMA** 15 g (device) Mass Approvals and certificates CCC approval CCC approval / marking not required for products rated ≤36 V Approvals

Curves/Diagrams



Accessories

BF 12

Mounting flange, 12 mm

BF 12-F

Mounting flange with dead stop, 12 mm

BF 5-30

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

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

Additional accessories can be found in the Internet.

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