

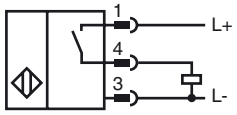
## Model Number

**CBN8-12GH60-E2-V1**

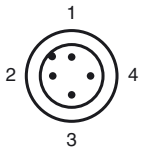
## Features

- **8 mm not embeddable**
- **Operating distance adjustable via potentiometer**
- **Suitable for foodstuff conditions**
- **Resistant against aggressive media**

## Connection




## Pinout




Wire colors in accordance with EN 60947-5-2

| | | |
|---|---|---|
| 1 | BN | (brown) |
| 2 | WH | (white) |
| 3 | BU | (blue) |
| 4 | BK | (black) |

## Accessories

**BF 12**
Mounting flange, 12 mm

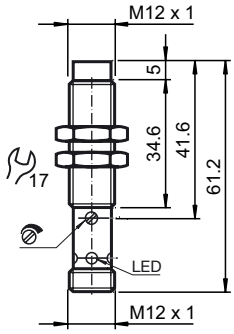
**V1-G**
4-pin, M12 female field-attachable connector

**V1-W**
4-pin, M12 female field-attachable connector

**V1-G-2M-PUR**
Cable socket, M12, 4-pin, PUR cable

**V1-W-2M-PUR**
Cable socket, M12, 4-pin, PUR cable

## Dimensions




## Technical Data

| | | |
|---|---|---|
| **General specifications** | | |
| Switching element function | | PNP NO |
| Rated operating distance | $s_n$ | 8 mm |
| Installation | | not embeddable |
| Output polarity | | DC |
| Assured operating distance | $s_a$ | 0 ... 6.48 mm |
| **Nominal ratings** | | |
| Installation conditions | | |
| A | | 8 mm |
| B | | 10 mm |
| C | | 20 mm |
| F | | 25 mm |
| Operating voltage | $U_B$ | 10 ... 36 V DC |
| Switching frequency | f | 0 ... 50 Hz |
| Reverse polarity protected | | reverse polarity protected |
| Short-circuit protection | | pulsing |
| Voltage drop | $U_d$ | ≤ 2.5 V |
| Operating current | $I_L$ | 0 ... 100 mA |
| No-load supply current | $I_0$ | ≤ 12 mA |
| Indication of the switching state | | LED, yellow |
| **Indicators/operating means** | | |
| Potentiometer | | sensitivity adjustment |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| **Mechanical specifications** | | |
| Connection type | | Device connector M12 x 1 , 4-pin |
| Housing material | | Stainless steel 1.4404 / AISI 316L |
| Sensing face | | PEEK |
| Protection degree | | IP65 |
| **Compliance with standards and directives** | | |
| Standard conformity | | |
| Standards | | EN 60947-5-2:2007<br>IEC 60947-5-2:2007 |
| **Approvals and certificates** | | |
| UL approval | | cULus Listed, General Purpose |
| CSA approval | | cCSAus Listed, General Purpose |

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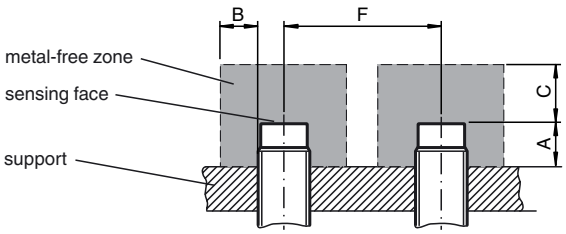
## Installation conditions

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