



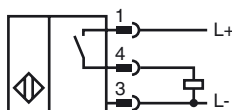
## Model Number

CBN8-12GH60-E2-V1

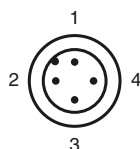
## Features

- 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

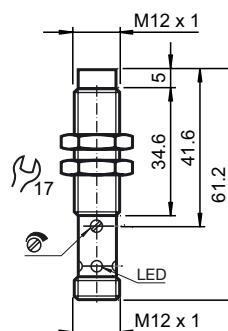
### V1-G-2M-PUR

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	$U_d$	$\leq 2.5$ V
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 12$ mA
Indication of the switching state	LED, yellow	

### Indicators/operating means

Potentiometer	sensitivity adjustment
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### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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### 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 IEC 60947-5-2:2007

### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

Installation conditions

