



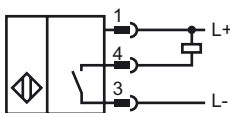
### Model Number

CBB4-12GH60-E0-V1

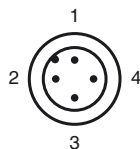
### Features

- 4 mm 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

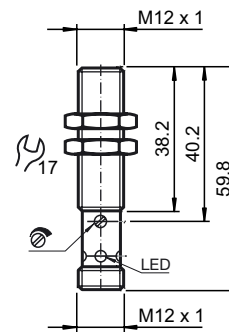
#### V1-G-2M-PUR

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	NPN	NO
Rated operating distance	$s_n$	4 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 2.88 mm

#### Nominal ratings

##### Installation conditions

A	0 mm
B	0 mm
C	15 mm
F	15 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

