Model Number

CBB4-12GH60-E2-V1

Features

- **4 mm flush**
- **Operating distance adjustable via potentiometer**
- **Suitable for foodstuff conditions**
- **Resistant against aggressive media**

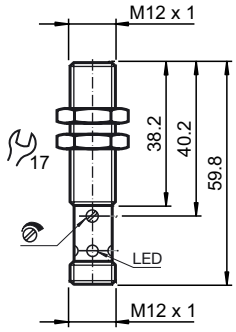
Accessories

BF 12
Mounting flange, 12 mm
V1-G
Female connector, M12, 4-pin, field attachable
V1-W
Female connector, M12, 4-pin, field attachable
V1-G-2M-PUR
Female cordset, M12, 4-pin, PUR cable
V1-W-2M-PUR
Female cordset, M12, 4-pin, PUR cable

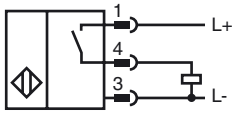
Technical Data

General specifications		
Switching element function		PNP NO
Rated operating distance	s_n	4 mm
Installation		flush
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 protection		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
Switching state indicator		LED, yellow
Functional safety related parameters		
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Potentiometer		sensitivity adjustment
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		stainless steel 1.4404 / AISI 316L
Sensing face		PEEK
Degree of protection		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

Dimensions



Electrical Connection



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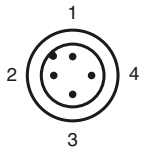
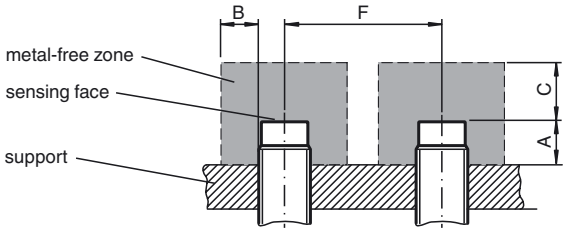
Pinout



Wire colors in accordance with EN 60947-5-2

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

Installation Conditions



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Refer to “General Notes Relating to Pepperl+Fuchs Product Information”.

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