



Model Number

CBB4-12GH70-E2

Features

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

Accessories

BF 12

Mounting flange, 12 mm

Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	4 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 2.88 mm
Output type		3-wire

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

MTTF _d	1272 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

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	cable PUR, 2 m
Core cross-section	0.34 mm ²
Housing material	stainless steel 1.4404 / AISI 316L
Sensing face	PEEK
Degree of protection	IP65

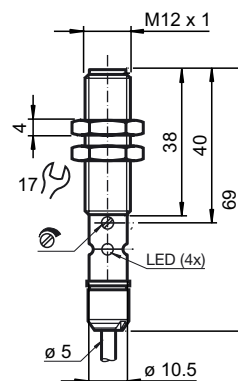
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

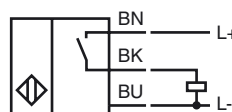
Approvals and certificates

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

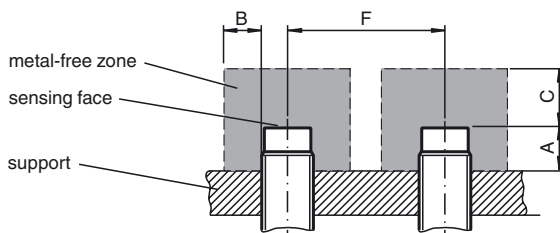
Dimensions



Electrical Connection



Installation Conditions



Release date: 2019-02-26 10:59 Date of issue: 2019-03-14 210620_eng.xml



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