

Capacitive sensor

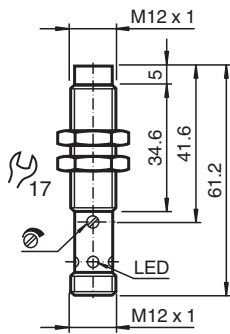
CBN8-12GH60-E2-V1



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



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	8 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 6.48 mm
Output type		3-wire

Nominal ratings

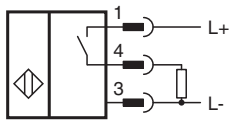
Installation conditions		
A		8 mm
B		10 mm
C		20 mm
F		25 mm
Operating voltage	U_B	10 ... 36 V DC
Switching frequency	f	0 ... 50 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 100 mA

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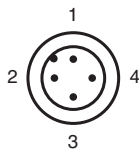
Technical Data

No-load supply current	I_0	$\leq 12 \text{ mA}$
Switching state indicator		LED, yellow
Indicators/operating means		
Potentiometer		sensitivity adjustment
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug
Housing material		Stainless steel 1.4404 / AISI 316L
Sensing face		PEEK
Degree of protection		IP65
Connector		
Threading		M12 x 1
Number of pins		4
Dimensions		
Length		61.2 mm
Diameter		12 mm

Connection



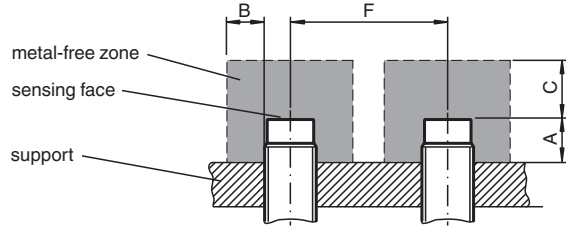
Connection Assignment



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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