

Capacitive sensor

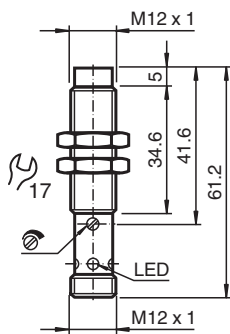
CBN8-12GH60-E2-V1



- 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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

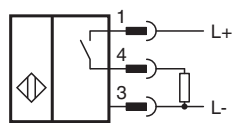
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

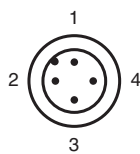
Technical Data

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		$-25 \dots 70\text{ }^{\circ}\text{C}$ ($-13 \dots 158\text{ }^{\circ}\text{F}$)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		Stainless steel 1.4404 / AISI 316L
Sensing face		PEEK
Degree of protection		IP65
Dimensions		
Length		61.2 mm
Diameter		12 mm

Connection



Connection Assignment

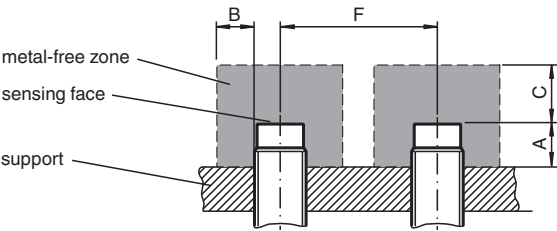


Wire colors in accordance with EN 60947-5-2

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

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Installation



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