

Capacitive sensor

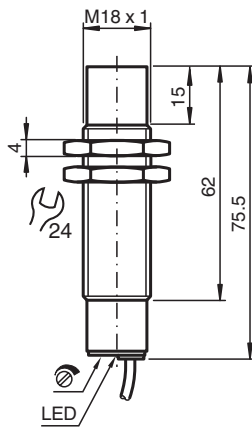
CBN15-18GS75-E2



- 15 mm non-flush
- The switching distance can be set over a wide range with the potentiometer



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	2 ... 15 mm
Installation		non-flush
Output polarity		DC
Output type		3-wire
Nominal ratings		
Installation conditions		
A		30 mm
B		18 mm
C		30 mm
F		36 mm
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

Release date: 2022-05-23 Date of issue: 2022-05-23 Filename: 237040_eng.pdf

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

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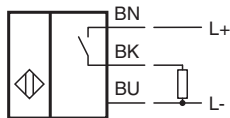
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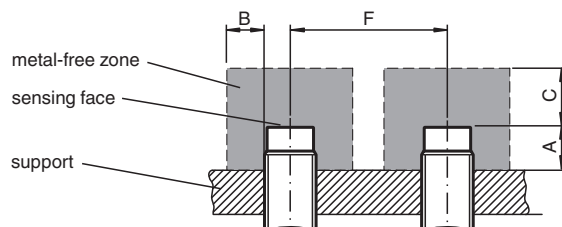
Technical Data

Voltage drop	U_d	$\leq 1.5 \text{ V}$
Temperature drift		max. 20 % at -5 ... 55 °C (23 ... 131 °F)
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	$\leq 15 \text{ mA}$
Time delay before availability	t_v	max. 300 ms
Indicators/operating means		
LED green		Operating display
LED yellow		indication switching state
Potentiometer		sensitivity adjustment
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
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		cablE PUR , 2 m
Core cross section		0.34 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

Connection



Installation



Accessories

	BF 18	Mounting flange, 18 mm
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