



Capacitive sensor CBB8-18GS75-E2-V1

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



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1 ... 8 mm
Installation		flush
Output polarity		DC

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 1.5 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	≤ 18 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 IEC 60947-5-2:2007

Approvals and certificates

UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤ 36 V

Ambient conditions

Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
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Mechanical specifications

Connection type		Connector M12 x 1 , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT

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

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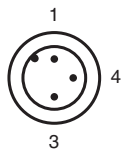
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 **PEPPERL+FUCHS**

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Degree of protection	IP67
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Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Accessories

	BF 18	Mounting flange, 18 mm
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable

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