

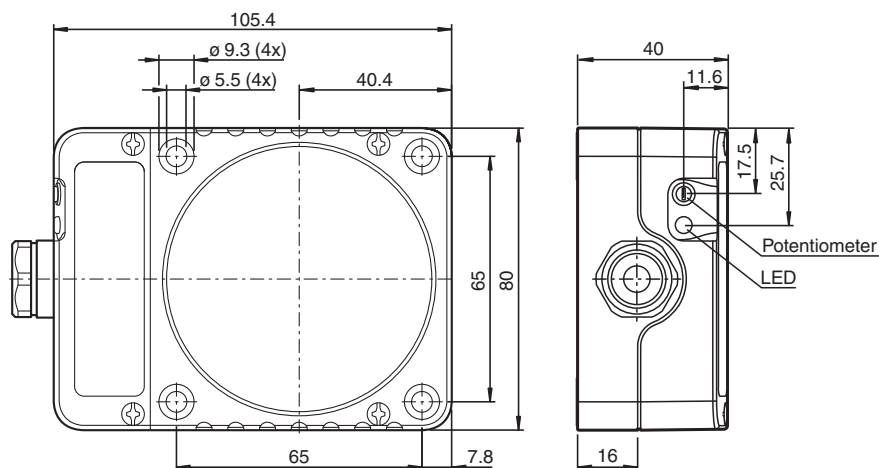


Capacitive sensor CBN60-FPA-E5-P1A

- Normally open/normally closed mode of operation - programmable wiring
- 60 mm non-flush
- 3-wire DC
- The switching distance can be set over a wide range with the potentiometer



Dimensions



Technical Data

General specifications

Switching function		Normally open/closed (NO/NC) selectable through wiring
Output type		PNP
Rated operating distance	s_n	60 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 48.6 mm
Output type		3-wire

Nominal ratings

Installation conditions		
B		180 mm
C		180 mm
F		320 mm
Operating voltage	U_B	10 ... 36 V DC
Switching frequency	f	10 Hz
Hysteresis	H	1 ... 15 %
Reverse polarity protection		reverse polarity protected

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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

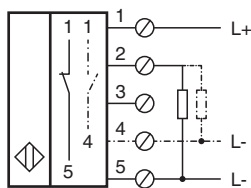
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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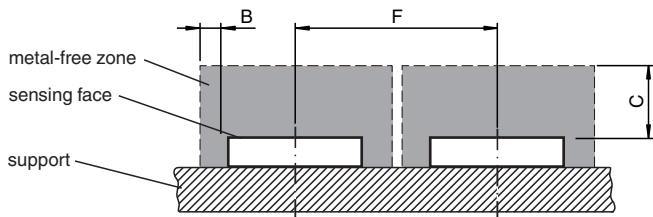
Technical Data

Short-circuit protection		yes
Voltage drop	U_d	0 ... 2.5 V
Operating current	I_L	0 ... 250 mA
No-load supply current	I_0	≤ 20 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
Ambient conditions		
Ambient temperature		-25 ... 80 °C (-13 ... 176 °F)
Mechanical specifications		
Connection type		screw terminals
Information for connection		A maximum of two conductors with the same core cross section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross section		up to 2.5 mm ²
Minimum core cross-section		without wire end ferrules 0.5 mm ² , with connector sleeves 0.34 mm ²
Maximum core cross-section		without wire end ferrules 2.5 mm ² , with connector sleeves 1.5 mm ²
Housing material		PPE
Degree of protection		IP65
Mass		300 g
Dimensions		
Height		40 mm
Width		80 mm
Length		105 mm
General information		
Scope of delivery		4 x spring washer 4 x cylinder head screw

Connection



Installation Conditions



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