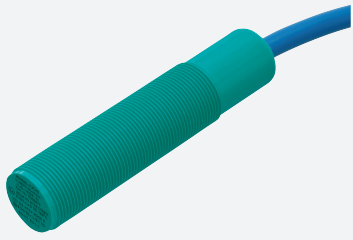


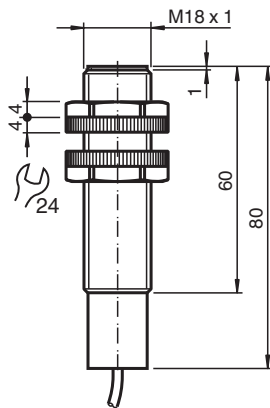
Capacitive sensor

CJ6-18GK-N

■ 6 mm non-flush



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		NAMUR
Rated operating distance	s_n	6 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 4.32 mm
Output type		2-wire

Nominal ratings

Installation conditions		
A		40 mm
B		80 mm
C		20 mm
F		120 mm
Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	7 ... 12 V
Switching frequency	f	0 ... 1 Hz
Current consumption		

Release date: 2020-10-06 Date of issue: 2020-10-06 Filename: 106267_eng.pdf

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

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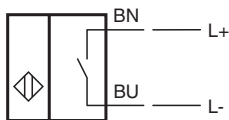
Singapore: +65 6779 9091
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PF PEPPERL+FUCHS

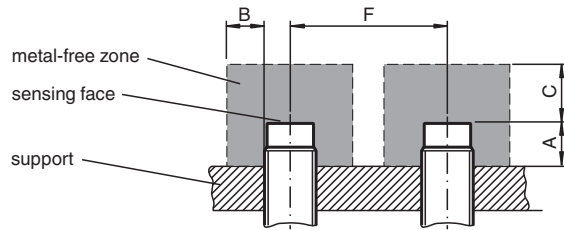
Technical Data

Measuring plate not detected	≤ 1 mA
Measuring plate detected	≥ 2.4 mA
Functional safety related parameters	
MTTF _d	5030 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
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	
ATEX approval	
Equipment protection level Ga	TÜV 03 ATEX 2003 X
Equipment protection level Gb	TÜV 03 ATEX 2003 X
Equipment protection level Da	TÜV 03 ATEX 2003 X
FM approval	
Control drawing	116-0165
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	cablc PVC , 2 m
Core cross-section	0.75 mm ²
Housing material	PBT
Sensing face	PBT
Degree of protection	IP68
Cable	
Cable diameter	6 mm ± 0.2 mm
Bending radius	> 10 x cable diameter
General information	
Use in the hazardous area	see instruction manuals


Connection



Installation



Accessories

	<p>BF 18</p>	<p>Mounting flange, 18 mm</p>
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