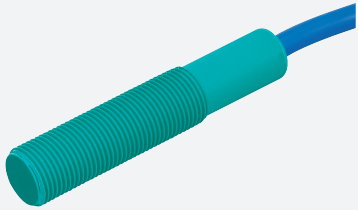


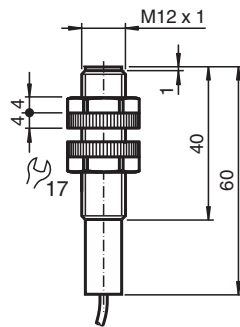
Capacitive sensor CJ1-12GK-N



■ 1 mm non-flush



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		NAMUR
Rated operating distance	s_n	1 mm
Installation		non-flush
Assured operating distance	s_a	0 ... 0.72 mm
Output type		2-wire

Nominal ratings

Installation conditions		
A		5 mm
B		15 mm
C		12 mm
F		70 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

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

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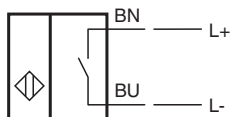
Singapore: +65 6779 9091
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PEPPERL+FUCHS

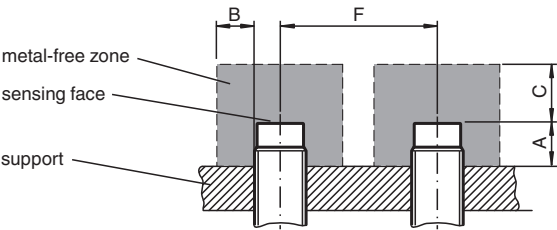
Technical Data

Current consumption		
Measuring plate not detected		≤ 1 mA
Measuring plate detected		≥ 2.4 mA
Functional safety related parameters		
MTTF _d		5670 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
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablc PVC , 2 m
Core cross-section		0.34 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Cable		
Bending radius		> 10 x cable diameter
General information		
Use in the hazardous area		see instruction manuals

Connection



Installation



Accessories

	BF 12	Mounting flange, 12 mm
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