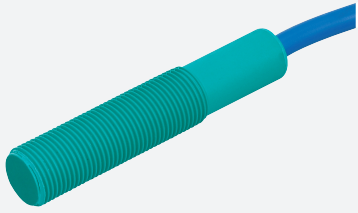


# Capacitive sensor

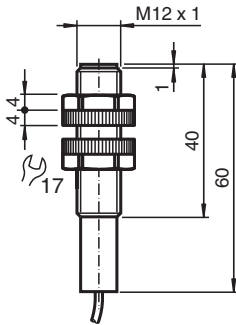
## CJ4-12GK-N-10M



- 4 mm non-flush
- 10 m connection cable



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		NAMUR
Rated operating distance	$s_n$	4 mm
Installation		non-flush
Assured operating distance	$s_a$	0 ... 2.88 mm
Output type		2-wire

#### Nominal ratings

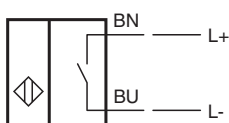
Installation conditions		
A		20 mm
B		80 mm
C		12 mm
F		70 mm
Nominal voltage	$U_o$	8 V
Operating voltage	$U_B$	7 ... 12 V
Switching frequency	$f$	0 ... 1 Hz
Current consumption		

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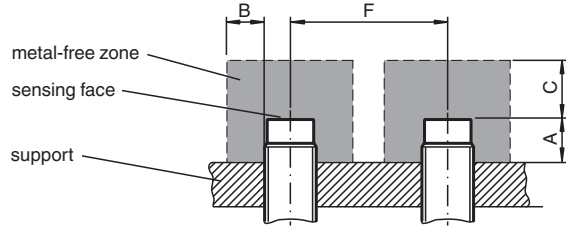
## Technical Data

Measuring plate not detected		max. 1 mA
Measuring plate detected		≥ 2.4 mA
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>		3299 a
Mission Time (T <sub>M</sub> )		20 a
Diagnostic Coverage (DC)		0 %
<b>Compliance with standards and directives</b>		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
IECEX approval		
Equipment protection level Ga		IECEX TUN 20.0014X
Equipment protection level Gb		IECEX TUN 20.0014X
Equipment protection level Da		IECEX TUN 20.0014X
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 Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 8.2 V DC
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cable
Housing material		PBT
Sensing face		PBT
Degree of protection		IP68
Cable		
Cable diameter		4.8 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.34 mm <sup>2</sup>
Length	L	10 m
Dimensions		
Length		60 mm
Diameter		12 mm
<b>General information</b>		
Use in the hazardous area		see instruction manuals

## Connection Assignment



**Installation Conditions**



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