

Capacitive sensor

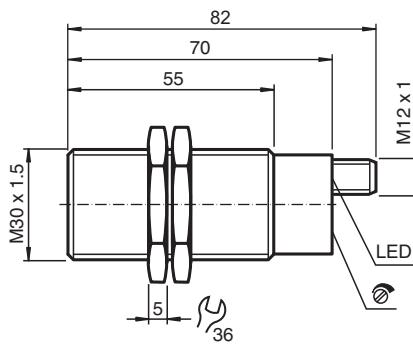
CCB10-30GS55-N1-V1



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



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type		NAMUR
Rated operating distance	s_n	10 mm
Installation		flush
Output type	2-wire	

Nominal ratings

Installation conditions		
A		0 mm
B		0 mm
C		20 mm
F		60 mm
Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	5 ... 15 V
Switching frequency	f	0 ... 50 Hz
Reverse polarity protection	reverse polarity protected	
Current consumption		
Measuring plate not detected		≤ 1.5 mA
Measuring plate detected		≥ 2.5 mA
Switching state indicator	LED, yellow	

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

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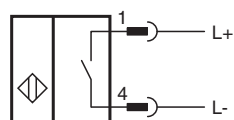
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PEPPERL+FUCHS

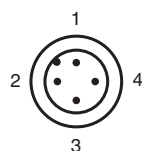
Technical Data

Functional safety related parameters		
MTTF _d		1134 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 IEC 60947-5-2
Approvals and certificates		
ATEX approval		
Equipment protection level Ga		BVS 13 ATEX E 074 X
Equipment protection level Da		BVS 13 ATEX E 074 X
ETL approval		cETLus
Ambient conditions		
Ambient temperature		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PTFE
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Dimensions		
Length		80 mm
Diameter		30 mm
General information		
Use in the hazardous area		see instruction manuals

Connection



Connection Assignment



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Installation Conditions

