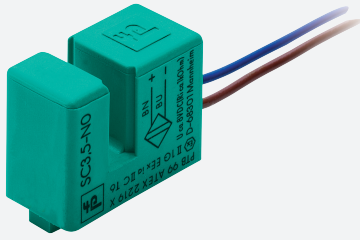


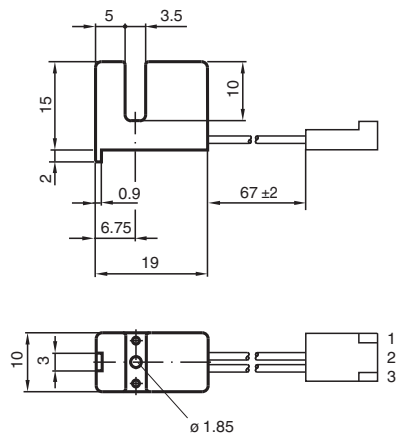
# Inductive slot sensor SC3,5-N0-Y106571



- Comfort series
- 3.5 mm slot width



## Dimensions



## Technical Data

### General specifications

Switching function	Normally closed (NC)
Output type	NAMUR
Slot width	3.5 mm
Depth of immersion (lateral)	5 ... 7 typ. 6 mm
Output type	2-wire

### Nominal ratings

Nominal voltage	$U_o$	8.2 V ( $R_i$ approx. 1 k $\Omega$ )
Operating voltage	$U_B$	5 ... 25 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	0 ... 0.05
Current consumption		
Measuring plate not detected		$\geq 3$ mA at nominal voltage
Measuring plate detected		$\leq 1$ mA at nominal voltage

### Functional safety related parameters

MTTF <sub>d</sub>	5290 a
Mission Time ( $T_M$ )	20 a

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

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## Technical Data

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 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
<b>Approvals and certificates</b>		
IECEX approval		
Equipment protection level Ga		IECEX PTB 11.0091X
Equipment protection level Gb		IECEX PTB 11.0091X
Equipment protection level Da		IECEX PTB 11.0091X
Equipment protection level Mb		IECEX PTB 11.0091X
ATEX approval		
Equipment protection level Ga		PTB 99 ATEX 2219 X
Equipment protection level Gb		PTB 99 ATEX 2219 X
Equipment protection level Da		PTB 99 ATEX 2219 X
UL approval		
Ordinary Location		E87056
Hazardous Location		E501628
Control drawing		116-0453
KCC approval		
Hazardous Location		13-AV4BO-0353X
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	
<b>Mechanical specifications</b>		
Connection type	flexible leads with plug	
Housing material	PBT	
Degree of protection	IP67 (plug connector, IP20)	
Connector	DuPont	
Cable		
Cable diameter	1.1 mm ± 0.1 mm	
Bending radius	> 10 x cable diameter	
Material	PVC	
Core cross section	0.14 mm <sup>2</sup>	
Length	L	65 mm
<b>General information</b>		
Use in the hazardous area	see instruction manuals	

## Connection

