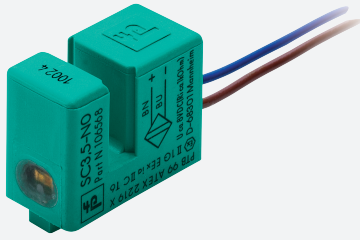


# Inductive slot sensor

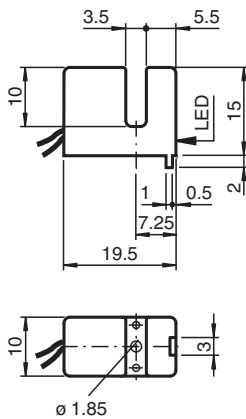
## SC3,5-N0-Y98395



■ 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	0.41 ... 0.6 mm
Current consumption		
Measuring plate not detected		$\geq 3$ mA at nominal voltage
Measuring plate detected		$\leq 1$ mA at nominal voltage
Switching state indicator		LED, yellow

#### Compliance with standards and directives

Standard conformity	
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## Technical Data

NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999	
Electromagnetic compatibility	NE 21:2007	
Standards	EN IEC 60947-5-2	
<b>Approvals and certificates</b>		
IECEX approval		
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 Gb	PTB 99 ATEX 2219 X	
Equipment protection level Da	PTB 99 ATEX 2219 X	
UL approval	cULus Listed, General Purpose	
CCC approval		
Hazardous Location	2020322315002306	
NEPSI approval		
NEPSI certificate	GYJ16.1391X	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)	
<b>Mechanical specifications</b>		
Connection type	flexible leads	
Housing material	PBT	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
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	175 mm
Dimensions		
Height	15 mm	
Width	10 mm	
Length	19.5 mm	
<b>General information</b>		
Use in the hazardous area	see instruction manuals	

## Connection Assignment

