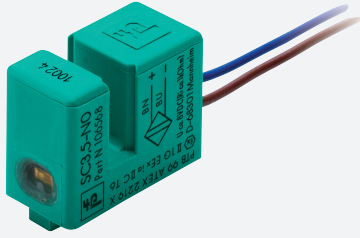


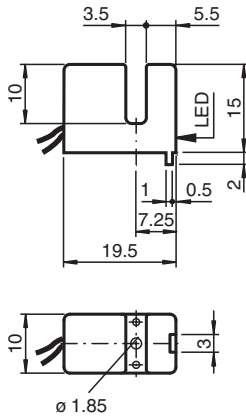
# Inductive slot sensor SC3,5-N0-Y70185029



■ Comfort series



## 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	
---------------------	--

Release date: 2025-05-09 Date of issue: 2025-05-09 Filename: 70185029\_eng.pdf

## 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
Number of cores	2
Core cross section	0.14 mm <sup>2</sup>
Length	L 90 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

