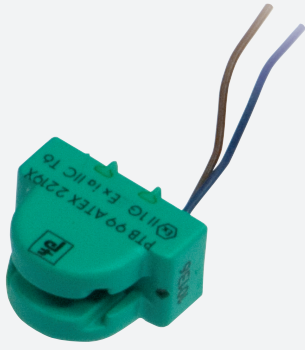
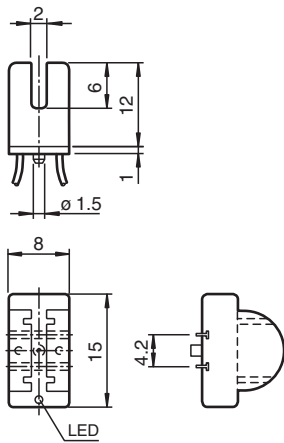


# Inductive slot sensor SC2-N0-GN

■ 2 mm slot width



## Dimensions



## Technical Data

General specifications	
Switching function	Normally closed (NC)
Output type	NAMUR
Slot width	2 mm
Depth of immersion (lateral)	5 ... 7 mm , 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 ... 5000 Hz
Hysteresis	$H$ 0.11 ... 0.2 mm
Current consumption	
Measuring plate not detected	$\geq 3$ mA
Measuring plate detected	$\leq 1$ mA
Switching state indicator	LED, yellow
Functional safety related parameters	
MTTF <sub>d</sub>	5790 a

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

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## Technical Data

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
Electromagnetic compatibility	NE 21:2007
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
CCC approval	
Hazardous Location	2020322315002306
NEPSI approval	
NEPSI certificate	GYJ16.1391X
Marine approval	DNVGL TAA00001A5
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
<b>Mechanical specifications</b>	
Connection type	flexible leads
Core cross section	0.06 mm <sup>2</sup>
Housing material	PBT
Degree of protection	IP67
Cable	
Cable diameter	0.75 mm ± 0.15 mm
Bending radius	> 10 x cable diameter
Material	PVC
Core cross section	0.06 mm <sup>2</sup>
Length	L 500 mm
<b>General information</b>	
Use in the hazardous area	see instruction manuals

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## Connection



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