

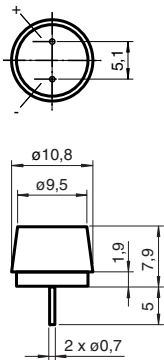


# Inductive sensor NBN5-11K8-N-V8

- 5 mm non-flush



## Dimensions



## Technical Data

### General specifications

Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	$s_n$	5 mm
Installation		non-flush
Assured operating distance	$s_a$	0 ... 4.05 mm
Output type		2-wire

### Nominal ratings

Operating voltage	$U_B$	5 ... 15 V
Switching frequency	$f$	0 ... 2000 Hz
Hysteresis	$H$	0.05 ... 0.75
Current consumption		
Measuring plate not detected		min. 2.7 mA
Measuring plate detected		≤ 1.8 mA

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

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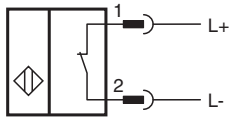
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**Technical Data**

<b>Functional safety related parameters</b>	
MTTF <sub>d</sub>	8162 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>	
Connection type	Solder connection
Housing material	PA
Degree of protection	IP67

**Connection**



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