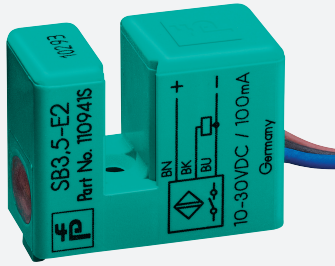


# Inductive slot sensor

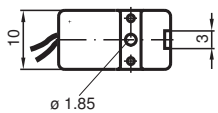
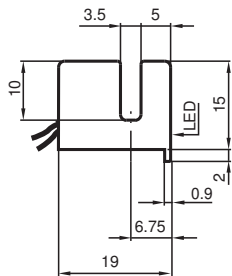
## SB3,5-E2



- 3.5 mm slot width
- 3-wire DC



## Dimensions



## Technical Data

### General specifications

Switching function	Normally open (NO)
Output type	PNP
Slot width	3.5 mm
Depth of immersion (lateral)	5 ... 7 mm
Output polarity	DC
Output type	3-wire

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	0 ... 0.6 mm
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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

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## Technical Data

Voltage drop	$U_d$	$\leq 3 \text{ V}$
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 7 \text{ mA}$
Switching state indicator		LED, yellow
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>		2590 a
Mission Time (T <sub>M</sub> )		20 a
Diagnostic Coverage (DC)		0 %
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
<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 $\leq 36 \text{ V}$
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		flexible leads LiY , 500 mm
Core cross-section		0.14 mm <sup>2</sup>
Housing material		PBT
Degree of protection		IP67

## Connection

