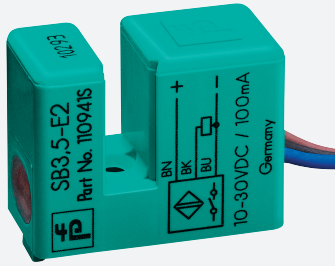


# Inductive slot sensor

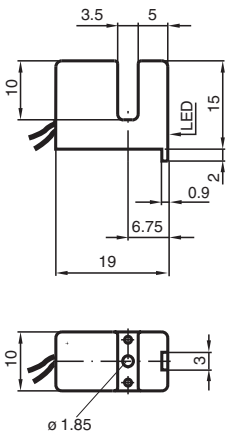
## SB3,5-E2-BU



- 3.5 mm slot width
- Basic series



### Dimensions



### Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Slot width		3.5 mm
Depth of immersion (lateral)		5 ... 7 typ. 6 mm
Output polarity		DC
Output type		3-wire
Nominal ratings		
Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	0.1 ... 0.4 mm
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 7$ mA
Switching state indicator		LED, yellow

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

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PEPPERL+FUCHS

## Technical Data

Functional safety related parameters	
MTTF <sub>d</sub>	2590 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	flexible leads LiY , 500 mm
Core cross section	0.14 mm <sup>2</sup>
Housing material	PBT
Degree of protection	IP67

## Connection

