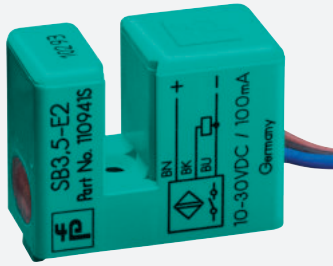


Inductive slot sensor

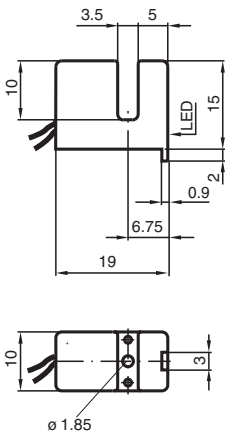
SB3,5-E2-BU



- 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	≤ 3 V
Operating current	I _L	0 ... 100 mA
No-load supply current	I ₀	≤ 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 _d		2590 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
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 ²
Housing material		PBT
Degree of protection		IP67
Dimensions		
Height		15 mm
Width		10 mm
Length		19.5 mm

Connection

