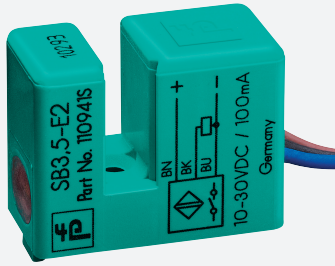


Inductive slot sensor

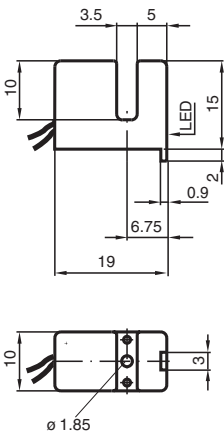
SB3,5-E2



- 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	
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	

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

