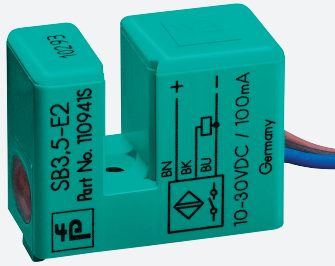


Inductive slot sensor

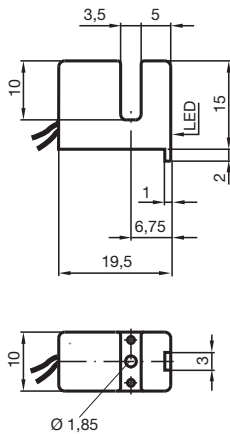
SB3,5-E2-Y112885



- 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	
Installation		
Output polarity	DC	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 2000 Hz
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	U_d	≤ 3 V

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

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PEPPERL+FUCHS

Technical Data

Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow
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 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		65 mm PVC cord with DuPont connector
Core cross-section		0.14 mm ²
Housing material		PBT
Degree of protection		IP67

Connection

