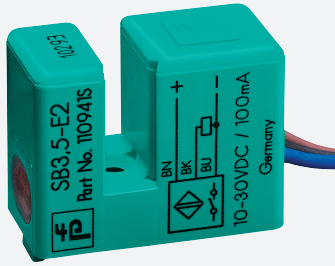


Inductive slot sensor

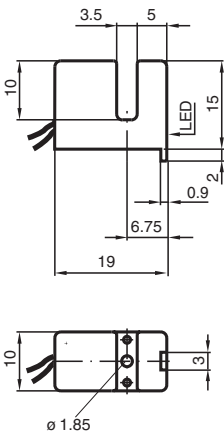
SB3,5-E2-BU



- 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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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)
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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

