

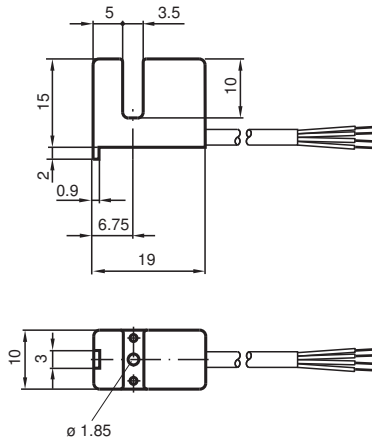
# Inductive slot sensor

## SB3,5-A2

- 3.5 mm slot width
- 4-wire DC



### Dimensions



### Technical Data

#### General specifications

Switching function	complementary	
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	$H$	0.1 ... 0.4 mm
Reverse polarity protection	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 100 mA
No-load supply current	$I_0$	$\leq 15$ mA

#### Compliance with standards and directives

Standard conformity		
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Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 128588\_eng.pdf

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

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## Technical Data

Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
<b>Mechanical specifications</b>	
Connection type	cable PVC , 500 mm
Core cross-section	0.14 mm <sup>2</sup>
Housing material	Crastin (PBTB)
Degree of protection	IP67
Cable	
Cable diameter	3 mm + 0.3 mm
Bending radius	> 10 x cable diameter

## Connection

