



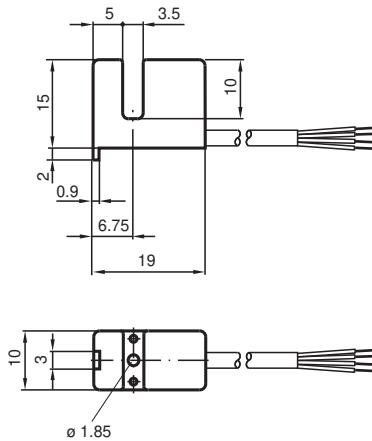
Inductive slot sensor

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	≤ 2 V
Operating current	I_L	0 ... 100 mA

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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Technical Data

No-load supply current	I_0	$\leq 15 \text{ mA}$
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		cable PVC , 500 mm
Core cross section		0.14 mm ²
Housing material		Crastin (PBTB)
Degree of protection		IP67
Cable		
Cable diameter		3 mm + 0.3 mm
Bending radius		> 10 x cable diameter

Connection

