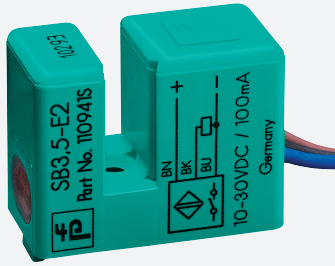


Inductive slot sensor

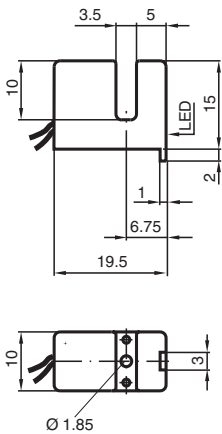
SB3,5-E2-Y112885



- 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
Output polarity	DC
Output type	3-wire

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
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow

Functional safety related parameters

Release date: 2024-05-28 Date of issue: 2024-06-07 Filename: 112885_eng.pdf

Technical Data

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
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
Dimensions	
Height	15 mm
Width	10 mm
Length	19.5 mm

Connection

