



Model Number

SB3,5-A2-0,5M-V31

Features

- 3.5 mm slot width
- 4-wire DC

Technical Data

General specifications

Switching element function	PNP	NO/NC
Slot width	3.5 mm	
Depth of immersion (lateral)	5 ... 7 mm	
Output polarity	DC	
Assured operating distance	s_a	

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
No-load supply current	I_0	≤ 15 mA
Switching state indicator	LED	

Ambient conditions

Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
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Mechanical specifications

Connection type	Cable connector M8 x 1, 4-pin, cable: PVC, L = 500 mm $\pm$ 5 mm
Housing material	Crastin (PBTB)
Degree of protection	IP67

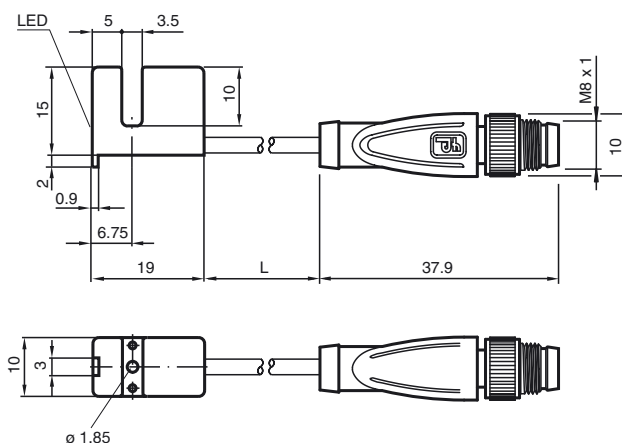
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

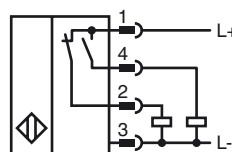
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤ 36 V

Dimensions



Electrical Connection



Pinout





Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)