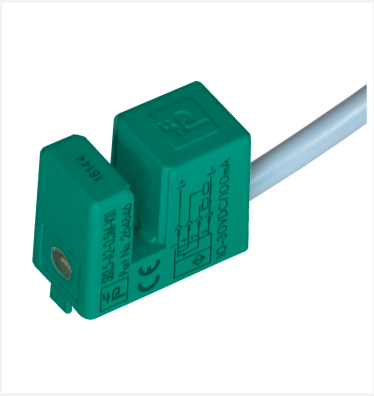
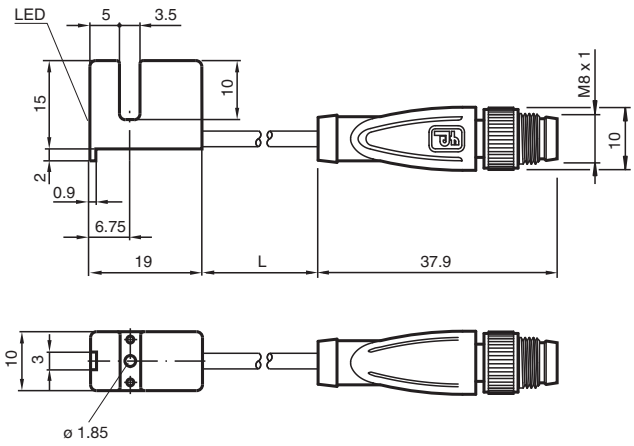


Inductive slot sensor

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

- 3.5 mm slot width
- 4-wire DC

Dimensions



Technical Data

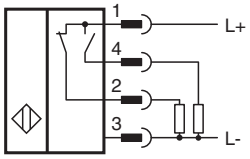
General specifications		
Switching function		complementary
Output type		PNP
Slot width		3.5 mm
Depth of immersion (lateral)		5 ... 7 mm
Output polarity		DC
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	0.1 ... 0.4 mm
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED
Compliance with standards and directives		

Release date: 2022-05-23 Date of issue: 2022-05-23 Filename: 264846_eng.pdf

Technical Data

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 ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		Cable connector M8 x 1 , 4-pin , cable: PVC , L = 500 mm ± 5 mm
Housing material		Crastin (PBTB)
Degree of protection		IP67
Cable		
Cable diameter		3 mm + 0.3 mm
Bending radius		> 10 x cable diameter
General information		
Scope of delivery		screw M 1.7 x 10 , nut M1.7

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

Accessories

	**V31-GM-2M-PUR**	Female cordset single-ended M8 straight A-coded, 4-pin, PUR cable grey

Release date: 2022-05-23 Date of issue: 2022-05-23 Filename: 264846_eng.pdf

Accessories

	**V31-WM-2M-PUR**	Female cordset single-ended M8 angled A-coded, 4-pin, PUR cable grey

Release date: 2022-05-23 Date of issue: 2022-05-23 Filename: 264846_eng.pdf