

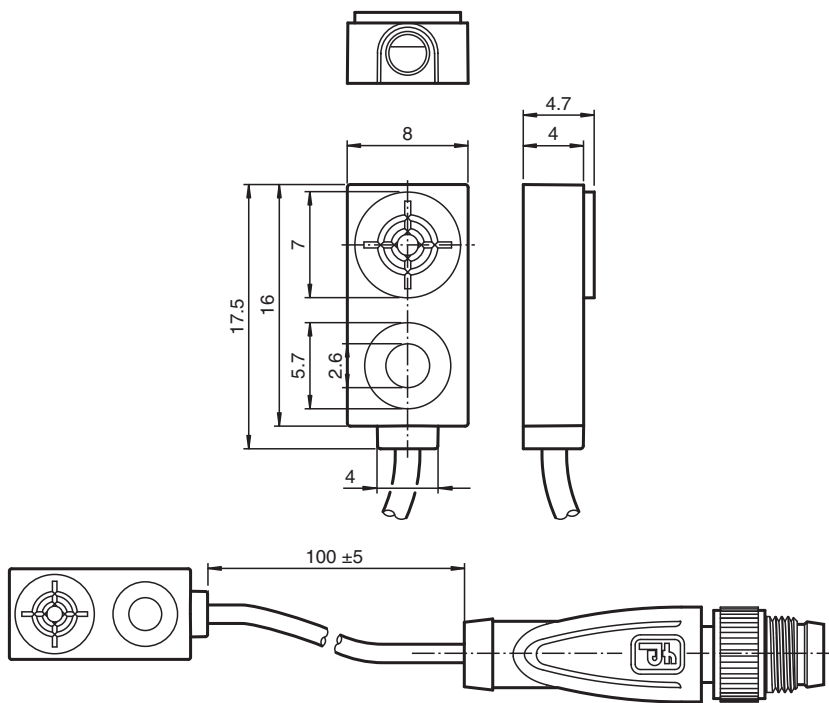
Inductive sensor
NBB1,5-F79-E2-0,1M-V3



- 1.5 mm flush
- 3-wire DC



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2

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

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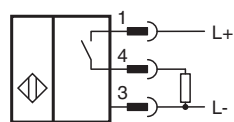
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 **PEPPERL+FUCHS**

Technical Data

Reduction factor r_{304}	0.7
Nominal ratings	
Operating voltage	U_B 5 ... 30 V DC
Switching frequency	f 0 ... 1200 Hz
Hysteresis	H typ. 5 %
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 1.5 V
Operating current	I_L 0 ... 100 mA
Off-state current	I_r ≤ 10 μ A
No-load supply current	I_0 ≤ 15 mA
Time delay before availability	t_v ≤ 20 ms
Functional safety related parameters	
MTTF _d	4830 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates	
CCC approval	CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	Cable connector M8 x 1 , 3-pin with PVC cable 100 mm
Core cross-section	0.09 mm ²
Housing material	PA
Sensing face	PA
Degree of protection	IP67

Connection



Connection Assignment



Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 224032_eng.pdf

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

Accessories

	V3-WM-2M-PUR	Female cordset single-ended, M8, 3-pin, PUR cable
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