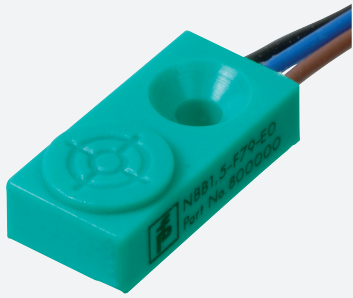


Inductive sensor

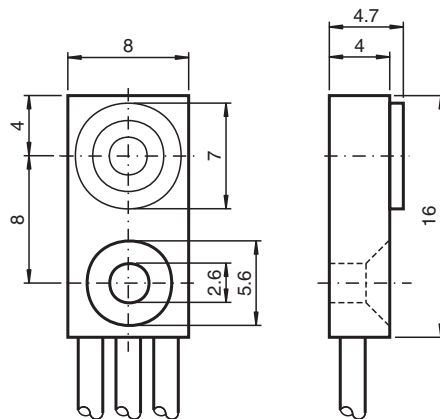
NBB1,5-F79-E3



- Basic series
- 1.5 mm flush
- 3-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally closed (NC)
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_{AI}		0.3
Reduction factor r_{CU}		0.2
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

Release date: 2020-03-21 Date of issue: 2020-03-30 Filename: 801107_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

Operating current	I_L	0 ... 100 mA
Off-state current	I_r	$\leq 10 \mu\text{A}$
No-load supply current	I_0	$\leq 15 \text{ mA}$
Time delay before availability	t_v	$\leq 20 \text{ ms}$
Functional safety related parameters		
MTTF _d		3910 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		
EAC conformity		TR CU 020/2011
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 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		flexible leads PVC , 500 mm
Core cross-section		0.08 mm ²
Housing material		PA
Sensing face		PA
Degree of protection		IP67

Connection Assignment

