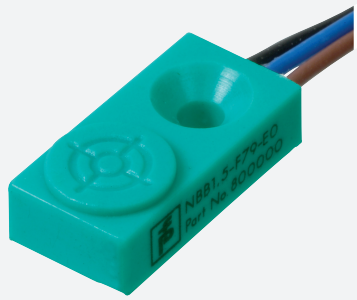
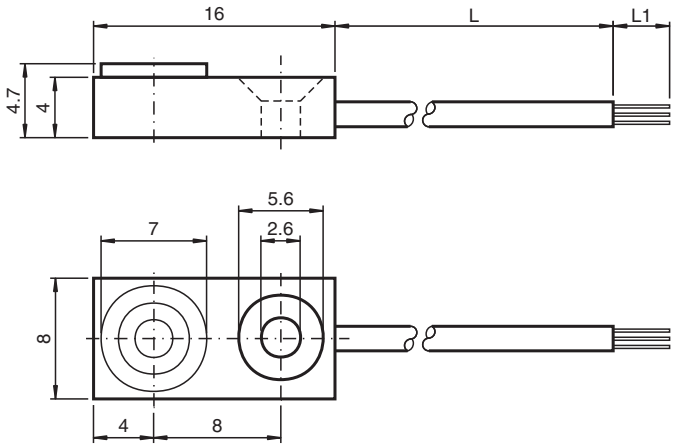


Inductive sensor

NBB1,5-F79-E2-Y70187307

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

Dimensions



Technical Data

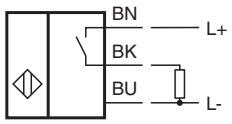
General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7
Output type		3-wire
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

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Technical Data

Off-state current	I_r	≤ 10 µA
No-load supply current	I_0	≤ 15 mA
Time delay before availability	t_v	≤ 20 ms
Safety-relevant product characteristics		
$MTTF_d$		4830 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		cURus Recognized Load Type: General Purpose Circuitry: Class 2 Power Source Supply/Switching Voltage: 30 V DC Output Switching Current: 100 mA Further UL information see section "Additional Information"
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		flexible leads
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Cable		
Cable diameter		1 mm ± 0.1 mm
Material		PVC
Core cross section		0.08 mm^2
Length	L	80 mm further length specifications: L1 = 5 mm
Dimensions		
Height		4.7 mm
Width		8 mm
Length		16 mm

Connection Assignment



Additional Information

Additional UL Information
Conditions of Acceptability:
Suitability of the mounting means shall be determined in the end use application. The suitability of connection between supply connection and the end connector shall be determined in the end-use application.
The supply connections for these devices are intended for factory wiring only.
These devices shall be used within their recognized electrical ratings.
These proximity switches are intended to be powered by Listed Class 2 power supply or are located in a limited voltage / limited current circuit.

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