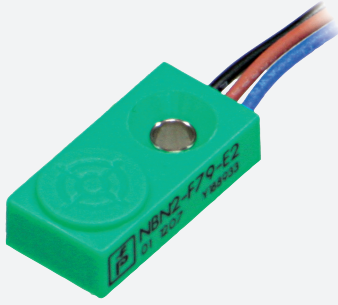


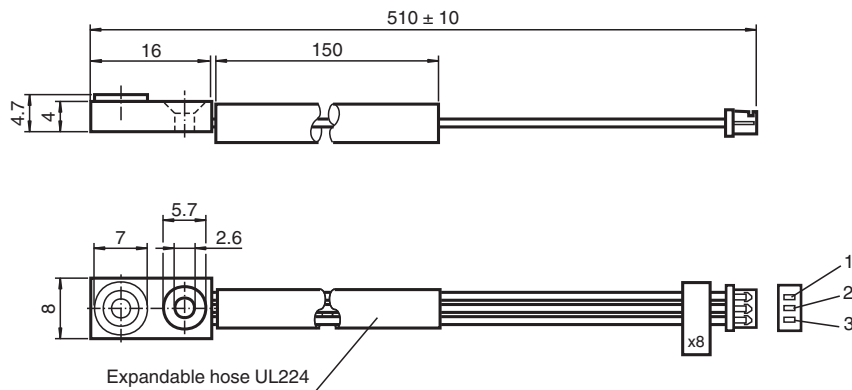
Inductive sensor NBN2-F79-E2-Y188931



- Basic series
- 2 mm non-flush



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	2 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.8 mm
Reduction factor r_{AI}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7

Nominal ratings

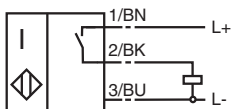
Operating voltage	U_B	5 V -5% +10%
Switching frequency	f	0 ... 800 Hz

Technical Data

Hysteresis	H	typ. 5 %
Reverse polarity protection		no
Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 1.5 \text{ V}$
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		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		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
Ambient conditions		
Ambient temperature		15 ... 35 °C (59 ... 95 °F)
Mechanical specifications		
Connection type		flexible leads PVC , 510 mm , twisted
Connection assembly		Molex socket housing 51021-0300 Molex crimp 50058-8000
Core cross-section		0.08 mm ²
Housing material		PA
Sensing face		PA
Degree of protection		IP67

Connection

E2-Y



Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 188931_eng.pdf

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

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