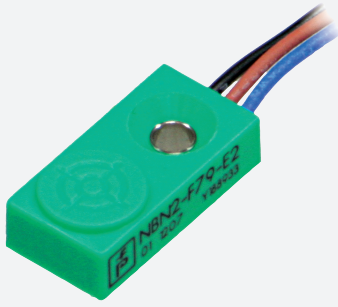


Inductive sensor

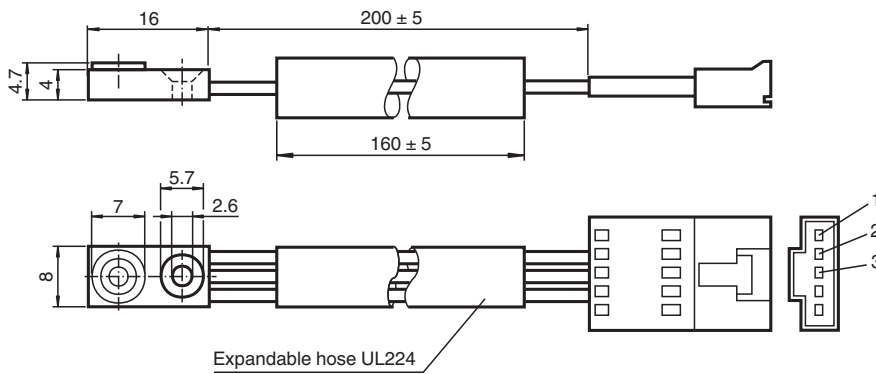
NBN2-F79-E2-Y188932



- 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_{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 V -5% +10%
Switching frequency	f	0 ... 800 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		no
Short-circuit protection		pulsing

Release date: 2024-05-28 Date of issue: 2024-06-05 Filename: 188932_eng.pdf

Technical Data

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 IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
Ambient conditions		
Ambient temperature		15 ... 35 °C (59 ... 95 °F)
Mechanical specifications		
Connection type		flexible leads PVC , 200 mm , twisted
Connection assembly		AMP socket housing 103653-04 AMP crimp 5-104506-6
Core cross section		0.08 mm ²
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Dimensions		
Height		4.7 mm
Width		8 mm
Length		16 mm

Connection

E2-Y

