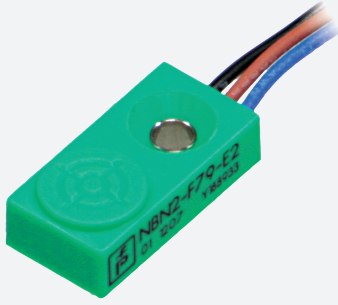


# Inductive sensor

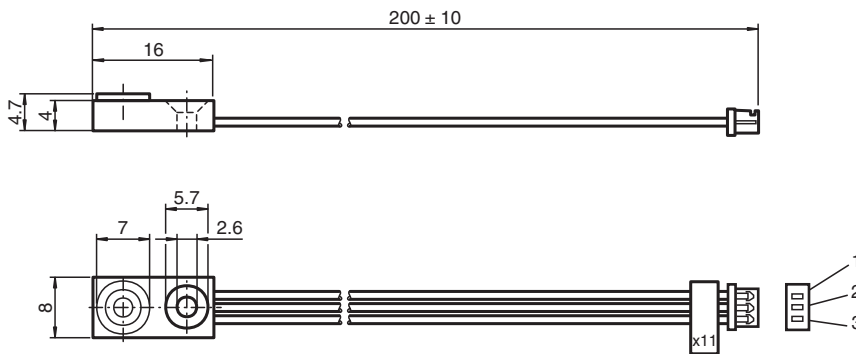
## NBN2-F79-E2-Y188930



- 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: 188930\_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	$t_v$	$\leq 20 \text{ ms}$
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>		4830 a
Mission Time (T <sub>M</sub> )		20 a
Diagnostic Coverage (DC)		0 %
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
<b>Ambient conditions</b>		
Ambient temperature		15 ... 35 °C (59 ... 95 °F)
<b>Mechanical specifications</b>		
Connection type		flexible leads PVC , 200 mm , twisted
Connection assembly		Molex socket housing 51021-0300 Molex crimp 50058-8000
Core cross section		0.08 mm <sup>2</sup>
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Dimensions		
Height		4.7 mm
Width		8 mm
Length		16 mm

## Connection

E2-Y

