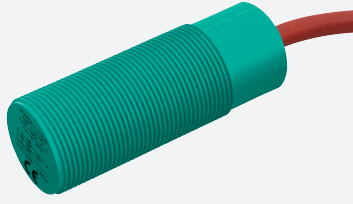


# Inductive sensor

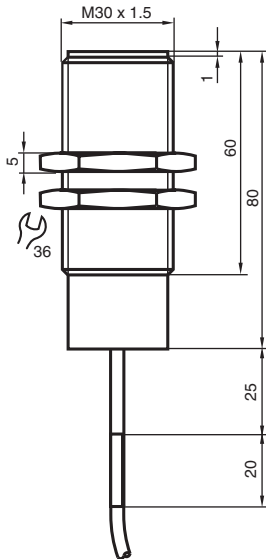
## NJ10-30GK-E2-Y11312



- Basic series
- Stainless steel nuts
- With BF30



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 8.1 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{304}$		0.85
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 300 Hz

Release date: 2024-12-10 Date of issue: 2024-12-10 Filename: 011312\_eng.pdf

## Technical Data

Hysteresis	H	3 ... 15 % typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_0$	$\leq 20$ mA
Switching state indicator		no
<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		-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cable silicone , 2 m
Core cross section		0.75 mm <sup>2</sup>
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67
<b>Cable</b>		
Wire end ferrules		yes
Cable diameter		6.8 mm $\pm$ 0.2 mm
Bending radius		> 10 x cable diameter
Material		silicone
Color		red
Number of cores		3
Core cross section		0.75 mm <sup>2</sup>
Length	L	2 m
<b>Dimensions</b>		
Length		80 mm
Diameter		30 mm

## Connection

