

Inductive sensor

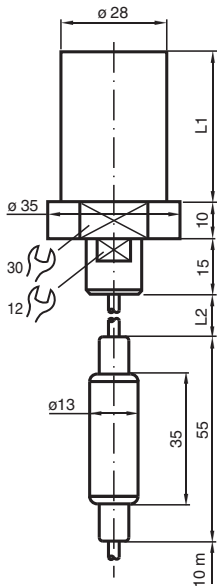
NJ4-N-H31



- Temperature range
0 ... 200 °C (0 ... 392 °F)
- 4 mm flush



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type		NAMUR
Rated operating distance	s_n	4 mm
Installation		flush
Assured operating distance	s_a	0 ... 3.04 mm
Reduction factor r_{Al}		0.15
Reduction factor r_{Cu}		0.05
Reduction factor r_{304}		0.55
Output type	2-wire	

Nominal ratings

Nominal voltage	U_o	8 V
Switching frequency	f	1000 Hz
Hysteresis	H	≤ 20 % at 200°C

Release date: 2025-02-27 Date of issue: 2025-02-28 Filename: 302328_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

Current consumption		
Measuring plate not detected		min. 3 mA
Measuring plate detected		≤ 1 mA
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		
Ordinary Location		E87056
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		0 ... 200 °C (32 ... 392 °F)
Mechanical specifications		
Connection type		cable
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PPS
Housing length L		L1 = 40 / 50 / 60 / 80 / 100 [mm]
Degree of protection		IP65
Cable		
Wire end ferrules		yes
Cable diameter		6.2 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		black
Number of cores		4
Core cross section		0.5 mm ²
Length	L	10 m
Dimensions		
Diameter		28 mm
Cable length		L2 = 0,5 / 0,75 / 1 / 2 / 3 / 4 / 6 / 8 / 10 [m]
Note		
amplifier -25°C...70°C PTFE cable between amplifier and oscillator		

Connection

