

Inductive sensor

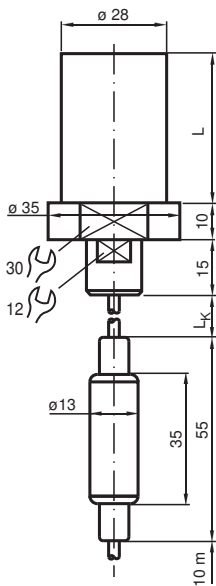
NJ4-N-H31



- 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_{AI}		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

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

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Technical Data

Hysteresis	H	≤ 20 % at 200°C
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 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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		cabl PVC , 10 m
Core cross-section		0.34 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PPS
Housing length L		40 / 50 / 60 / 80 / 100 [mm]
Degree of protection		IP65
Cable length L _k		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

