

Inductive sensor

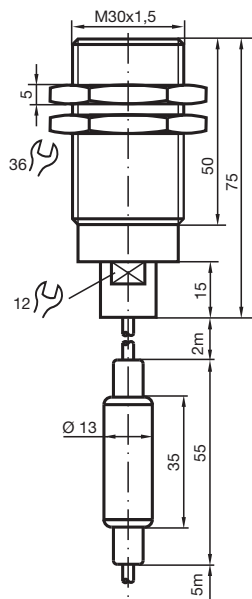
NJ4-30GM-N-200



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



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	8.2 V (R _i approx. 1 kΩ)
Switching frequency	f	0 ... 1000 Hz

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

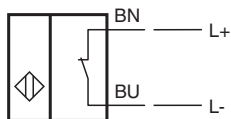
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Hysteresis	H	≤ 20 % at 200°C
Suitable for 2:1 technology		yes , Reverse polarity protection diode not required
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
Hazardous Location		E501628
Control drawing		116-0452
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 SIHF , 5 m
Core cross-section		0.34 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PPS
Degree of protection		IP65
Cable		
Bending radius		> 7.5 x cable diameter
Note		amplifier -25°C...70°C 2 m PTFE cable between amplifier and oscillator
General information		
Use in the hazardous area		see instruction manuals

Connection



Release date: 2020-05-13 Date of issue: 2020-05-13 Filename: 304835_eng.pdf