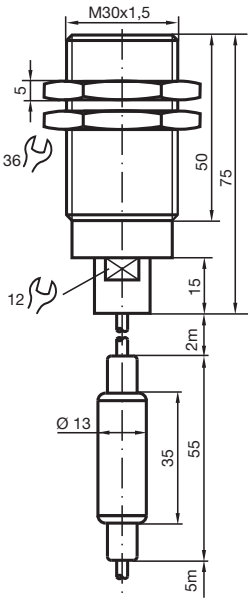
Inductive sensor

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

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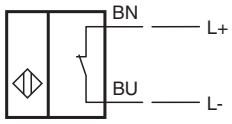
Technical Data

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 mm²
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



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