

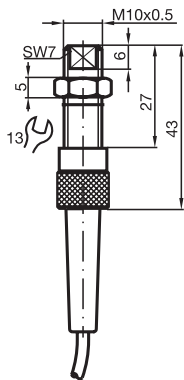
Inductive sensor

NJ0,2-10GM-N

■ Sensor with dead stop



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Rated operating distance	s _n	0.2 mm
Installation		flush
Assured operating distance	s _a	0 ... 0.2 mm
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.85
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8 V
Operating voltage	U _B	5 ... 25 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	typ. %
Current consumption		
Measuring plate not detected		min. 3 mA

Release date: 2025-02-27 Date of issue: 2025-02-27 Filename: 009805_eng.pdf

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

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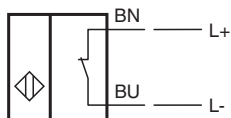
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Technical Data

Measuring plate detected		≤ 1 mA
Functional safety related parameters		
MTTF _d		11770 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Axial load, max.	F	0 ... 1200 N
Connection type		cable
Housing material		Special steel
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		4.8 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		2
Core cross section		0.34 mm ²
Length	L	2 m
Dimensions		
Length		27 mm
Diameter		10 mm

Connection



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