

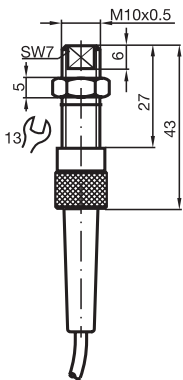
# Inductive sensor

## 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

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## Technical Data

Measuring plate detected	≤ 1 mA	
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>	11770 a	
Mission Time (T <sub>M</sub> )	20 a	
Diagnostic Coverage (DC)	0 %	
<b>Compliance with standards and directives</b>		
Standard conformity		
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999	
Standards	EN IEC 60947-5-2	
<b>Approvals and certificates</b>		
UL approval	cULus Listed, General Purpose	
CCC approval	CCC approval / marking not required for products rated ≤36 V	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)	
<b>Mechanical specifications</b>		
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 <sup>2</sup>	
Length	L	2 m
Dimensions		
Length	27 mm	
Diameter	10 mm	
<b>General information</b>		
Scope of delivery	supplied with 1 nut	

## Connection

