



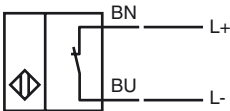
Model Number

NJ0,2-10GM-N

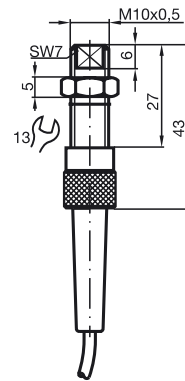
Features

- Sensor with dead stop
- 0.2 mm flush

Connection



Dimensions



Technical Data

General specifications

Switching element function	NAMUR, NC
Rated operating distance	s_n 0.2 mm
Installation	flush
Output polarity	NAMUR
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

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		≥ 3 mA
Measuring plate detected		≤ 1 mA

Functional safety related parameters

MTTF _d	11770 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Axial load, max.	F	0 ... 1200 N
Connection type		cable PVC , 2 m
Core cross-section		0.34 mm ²
Housing material		Special steel
Protection degree		IP67

Compliance with standards and directives

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.



ATEX

Data for Ex areas

Effective internal inductivity	C_i	$\leq 20 \text{ nF}$
Effective internal inductance	L_i	$\leq 50 \text{ }\mu\text{H}$

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