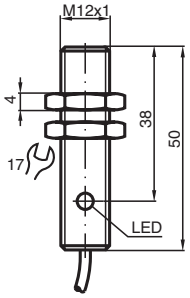


Inductive sensor

NJ2-12GM50-WS

- 2 mm flush
- 2-wire AC

Dimensions



Technical Data

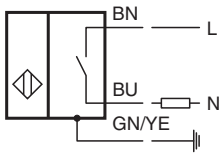
General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		AC
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{Al}		0.1
Reduction factor r_{Cu}		0.1
Reduction factor r_{304}		0.6
Output type		2-wire
Nominal ratings		
Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Reverse polarity protection		reverse polarity tolerant
Voltage drop	U_d	typ. 4 V at 15 ... 200 mA typ. 6.5 V at 5 mA

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Technical Data

Momentary current (20 ms, 0.1 Hz)		0 ... 1200 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	typ. 0.7 mA
Time delay before availability	t_v	≤ 30 ms
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross section		0.34 mm²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67
Cable		
Cable diameter		4.6 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Dimensions		
Length		50 mm
Diameter		12 mm
Note		1) In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse ≤ 2 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.
General information		
Scope of delivery		2 self locking nuts in scope of delivery

Connection



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