

Inductive sensor

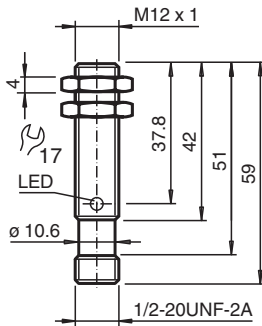
NJ2-12GM50-WS-V12



- Comfort series
- 2 mm flush
- 2-wire AC



Dimensions



Technical Data

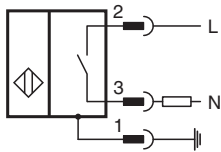
General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	2 mm
Installation		flush
Output polarity		AC
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{Al}		0.1
Reduction factor r_{Cu}		0.1
Reduction factor r_{304}		0.6
Output type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

Release date: 2025-06-04 Date of issue: 2025-06-04 Filename: 026576_eng.pdf

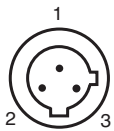
Technical Data

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		Connector plug 1/2"-20 UN , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67
Dimensions		
Length		50 mm
Diameter		12 mm
General information		
Scope of delivery		2 self locking nuts in scope of delivery

Connection



Connection Assignment



Wire colors

1		GN	(green)
2		RD/BK	(red/black)
3		RD/WH	(red/white)