

Inductive sensor

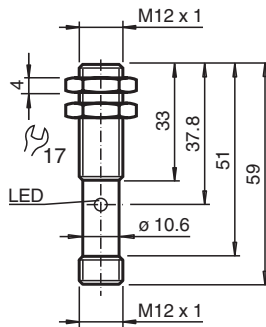
NJ2-12GM50-WS-V12



- 2 mm flush
- 2-wire AC



Dimensions



Technical Data

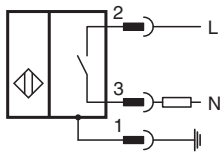
General specifications			
Switching function			Normally open (NO)
Output type			Two-wire
Rated operating distance	s_n		2 mm
Installation			flush
Output polarity			AC
Assured operating distance	s_a		0 ... 1.62 mm
Reduction factor r_{Al}			0.1
Reduction factor r_{Cu}			0.1
Reduction factor r_{304}			0.6
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: 2024-05-27 Date of issue: 2024-05-28 Filename: 084582_eng.pdf

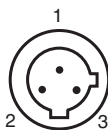
Technical Data

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
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
Note	¹⁾ In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse \leq 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	Supplied with 2 nuts

Connection



Connection Assignment



Wire colors

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