

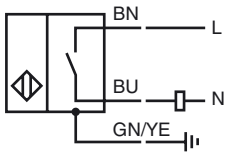
Model Number

NJ2-12GM50-WS

Features

- **2 mm embeddable**
- **2-wire AC**

Connection

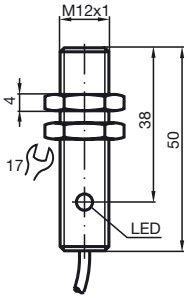


Accessories

BF 12
Mounting flange, 12 mm

EXG-12
Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications		
Switching element function		AC NO
Rated operating distance	s_n	2 mm
Installation		embeddable
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
Nominal ratings		
Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Reverse polarity protected		tolerant
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
Indication of the switching state		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross-section		0.34 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Protection degree		IP67
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
Compliance with standards and directives		
Standard conformity		
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		Certified by China Compulsory Certification (CCC)

Release date: 2012-02-09 12:12 Date of issue: 2012-02-09 025998_eng.xml

Subject to modifications without notice
Copyright Pepperl+Fuchs