



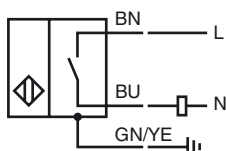
### Model Number

NJ2-12GM50-WS

### Features

- 2 mm embeddable
- 2-wire AC

### Connection



### Accessories

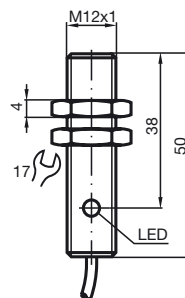
#### BF 12

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 $r_{A1}$		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)
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#### Mechanical specifications

Connection type	cable PVC, 2 m
Core cross-section	0.34 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	IP67
Note	<sup>1)</sup> 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	2 self locking nuts in scope of delivery
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#### 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)