



## Model Number

NJ2-12GM50-WS-V12

## Features

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

## Accessories

### EXG-12

Quick mounting bracket with dead stop

### BF 12

Mounting flange, 12 mm

## 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 $r_{AI}$		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

### Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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### 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

### General information

Scope of delivery		2 self locking nuts in scope of delivery
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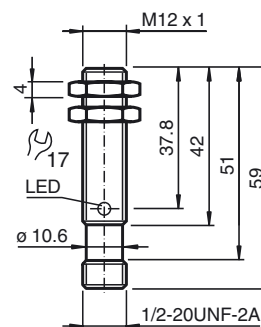
### Compliance with standards and directives

Standard conformity		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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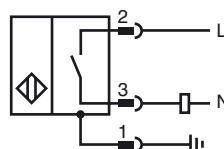
### Approvals and certificates

UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)

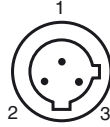
## Dimensions



## Electrical Connection



## Pinout



## Wire colors

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