



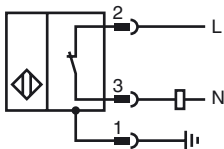
Model Number

NJ4-12GM50-WO-V13

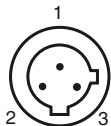
Features

- 2-wire AC

Connection



Pinout



Wire colors

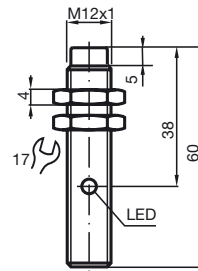
1	GN/YE	(green/yellow)
2	BN	(brown)
3	BU	(blue)

Accessories

BF 12
Mounting flange, 12 mm

EXG-12
Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications

Switching element function	AC	NC
Rated operating distance	s_n	4 mm
Installation		non-flush
Output polarity		AC
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{AI}		0.4
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.7

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 indication		LED, yellow

Ambient conditions

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

Mechanical specifications

Connection type	Connector M12 x 1 , 3-pin
Core cross-section	-
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 ≤ 0.8 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: 2013-03-27 10:02 Date of issue: 2013-03-27 026587_eng.xml