



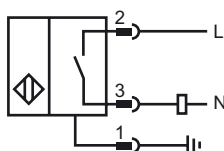
Model Number

NBB10-30GM50-WS-V12

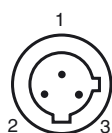
Features

- Basic series
- 10 mm embeddable
- 2-wire AC

Connection



Pinout



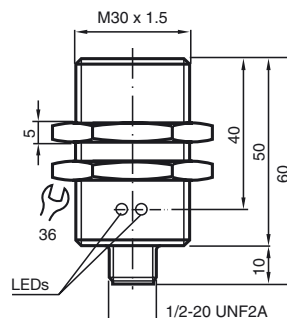
Wire colors

- | | | |
|---|--|-------|
| 1 | | GN |
| 2 | | RD/BK |
| 3 | | RD/WH |

Accessories

- BF 30**
Mounting flange, 30 mm
- EXG-30**
Quick mounting bracket with dead stop

Dimensions



Technical Data

General specifications

Switching element function	AC	NO
Rated operating distance	s _n	10 mm
Installation		embeddable
Output polarity		AC
Assured operating distance	s _a	0 ... 8.1 mm
Reduction factor r _{Al}		0.33
Reduction factor r _{Cu}		0.28
Reduction factor r _{V2A}		0.81

Nominal ratings

Operating voltage	U _B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protected		tolerant
Voltage drop	U _d	< 5 V (I _L > 50 mA); < 8 V (I _L < 50 mA)
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I _L	5 ... 200 mA
Off-state current	I _r	0 ... 1.7 mA
Operating voltage display		LED, green
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		Device connector 1/2"-20 UN , 3-pin
Housing material		brass, nickel-plated
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 ≤ 0.3 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

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)

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