



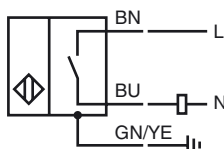
**Model Number**

NBB15-30GM50-WS

**Features**

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

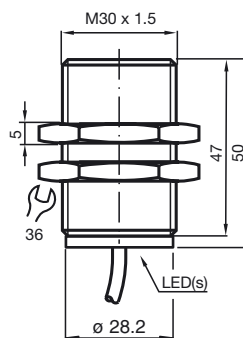
**Connection**



**Accessories**

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

**Dimensions**

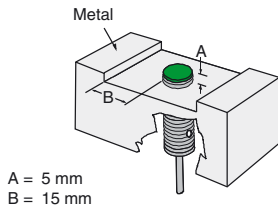


**Technical Data**

General specifications		
Switching element function	AC	NO
Rated operating distance	$s_n$	15 mm
Installation		quasi embedd.
Output polarity		AC
Assured operating distance	$s_a$	0 ... 12.15 mm
Reduction factor $r_{AI}$		0.33
Reduction factor $r_{Cu}$		0.28
Reduction factor $r_{303}$		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)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross-section		0.75 mm <sup>2</sup>
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)

Release date: 2011-07-14 10:59 Date of issue: 2011-07-14 801650\_eng.xml

Installation conditions



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