



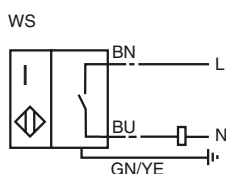
Model Number

NBB15-30GM50-WS-5M

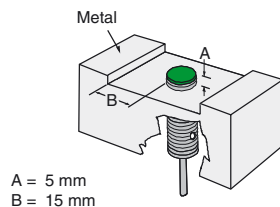
Features

- Basic series
- 15 mm quasi-embeddable

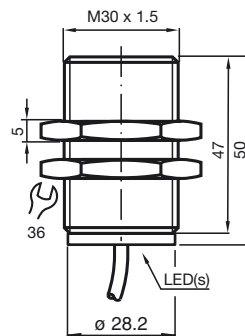
Connection



Installation conditions



Dimensions



Technical Data

General specifications

Switching element function	AC	Make function
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_{V2A}	0.81	

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 5 %
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	

Standard conformity

Standards	IEC / EN 60947-5-2:2004
-----------	-------------------------

Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
---------------------	-------------------------------

Mechanical specifications

Connection type	5 m, PVC cable
Core cross-section	0.75 mm ²
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.

Accessories

BF 30
Mounting flange

EXG-30
Mounting aid