



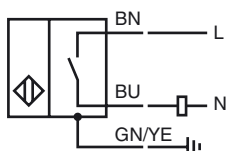
Model Number

NBB10-30GM50-WS-10M

Features

- Basic series
- 10 mm embeddable

Connection



Accessories

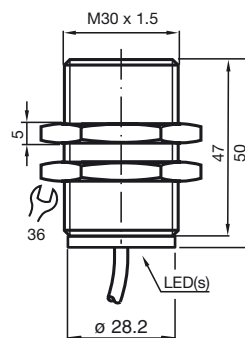
BF 30

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	10 mm
Installation	embeddable	
Output polarity	AC	
Assured operating distance	s_a	0 ... 8.1 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	

Ambient conditions

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

Connection type	cable PVC , 10 m
Cable version	PA
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.

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)