

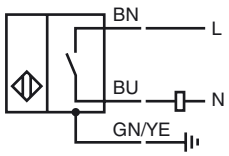
Model Number

NBB10-30GM50-WS

Features

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

Connection

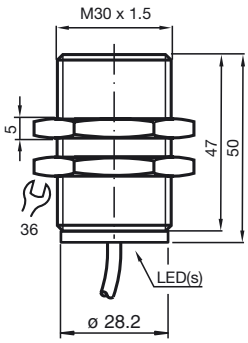


Accessories

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	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_{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^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)

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