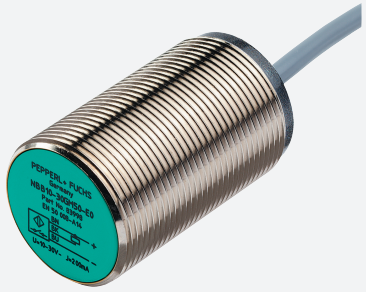
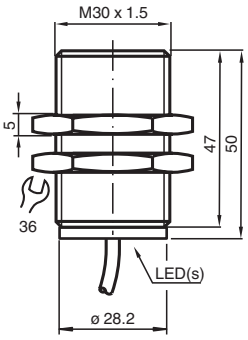


Inductive sensor

NBB15-30GM50-WO

- 15 mm flush
- 2-wire AC

Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s_n	15 mm
Installation		quasi flush
Output polarity		AC
Assured operating distance	s_a	0 ... 12.15 mm
Actual operating distance	s_r	13.5 ... 16.5 mm
Reduction factor r_{Al}		0.33
Reduction factor r_{Cu}		0.28
Reduction factor r_{304}		0.81
Output type		2-wire
Nominal ratings		
Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	1 ... 10 % typ. 5 %
Reverse polarity protection		reverse polarity tolerant

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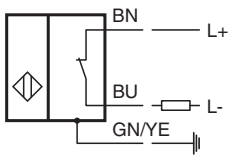
Technical Data

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 indicator		LED, green
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		6.4 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.75 mm^2
Length	L	2 m
Dimensions		
Length		50 mm
Diameter		30 mm
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.

Connection



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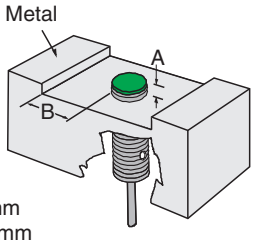
Mounting

Installation conditions



A = 5 mm
B = 15 mm