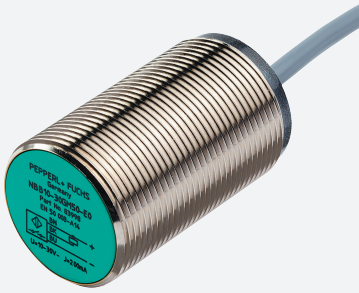


Inductive sensor

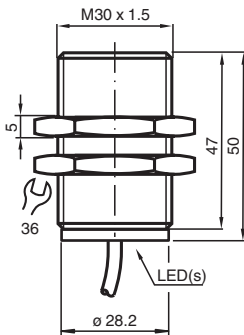
NBB15-30GM50-WS-10M



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



Dimensions



Technical Data

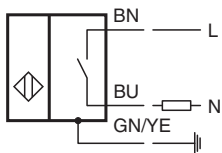
General specifications			
Rated operating distance	s_n		15 mm
Installation			quasi flush
Output polarity			AC
Assured operating distance	s_a		0 ... 12.15 mm
Actual operating distance	s_r		13.5 ... 16.5 mm
Reduction factor r_{Al}			0.33
Reduction factor r_{Cu}			0.28
Reduction factor r_{304}			0.81
Output 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
Voltage drop	U_d		< 5 V ($I_L > 50$ mA); < 8 V ($I_L < 50$ mA)

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Technical Data

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	10 m
Mass		752 g
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



Mounting

Installation conditions

