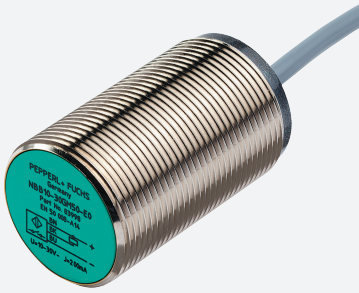


Inductive sensor

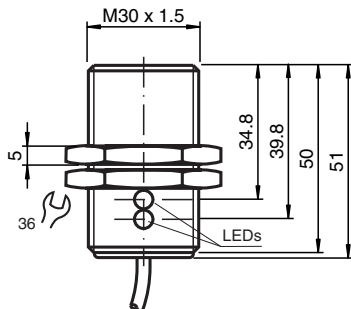
NBB15-30GM50-US-5M



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



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	Two-wire	
Rated operating distance	s_n	15 mm
Installation	flush	
Output polarity	AC/DC	
Reduction factor r_{AI}	0.5	
Reduction factor r_{Cu}	0.45	
Reduction factor r_{304}	0.75	
Output type	3-wire	

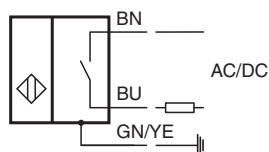
Nominal ratings

Operating voltage	U_B	20 ... 250 V AC/20 ... 300 V DC
Switching frequency	f	30 Hz

Technical Data

Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U_d	≤ 8 V
Operating current	I_L	4 ... 500 mA AC/DC
Off-state current	I_r	≤ 0.8 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1036 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		cabl PUR , 5 m
Core cross-section		0.5 mm ²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

**EXG-30**

Quick mounting bracket with dead stop