

Inductive sensor

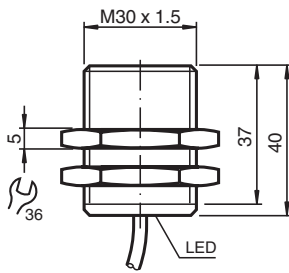
NBB10-30GM40-Z0-5M



- 10 mm flush
- 2-wire DC



Dimensions



Technical Data

General specifications			
Rated operating distance	s_n	10 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 8.1 mm	
Actual operating distance	s_r	9 ... 11 mm typ.	
Reduction factor r_{Al}		0.3	
Reduction factor r_{Cu}		0.25	
Reduction factor r_{304}		0.7	
Output type		2-wire	
Nominal ratings			
Operating voltage	U_B	5 ... 60 V	
Switching frequency	f	0 ... 150 Hz	
Hysteresis	H	1 ... 10 % typ. 5 %	
Reverse polarity protection		reverse polarity tolerant	
Short-circuit protection		pulsing	
Voltage drop	U_d	≤ 5 V	

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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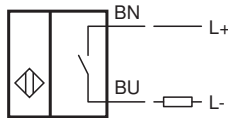
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PEPPERL+FUCHS

Technical Data

Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 0.5 mA typ.
Time delay before availability	t_v	≤
Switching state indicator		all direction LED, yellow
Functional safety related parameters		
MTTF _d		1710 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus 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		4.8 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		2
Core cross section		0.34 mm ²
Length	L	5 m
Dimensions		
Length		40 mm
Diameter		30 mm

Connection



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