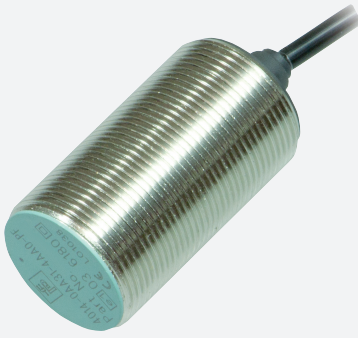


# Inductive sensor

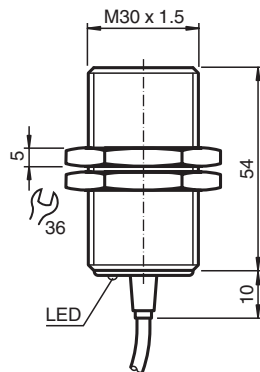
## NBB10-30GM50-Z0-T



- Extended temperature range
- 10 mm flush
- Two wire, normally open contact



### Dimensions



### Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	$s_n$	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 8.1 mm
Actuating element		mild steel, e. g. 1.0037, SR235JR (formerly St37-2) 30 mm x 30 mm x 1 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{304}$		0.7
Reduction factor $r_{Brass}$		0.4
Output type		2-wire
Nominal ratings		
Installation conditions		
B		25 mm
C		16 mm

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

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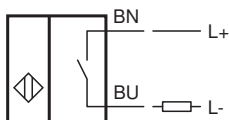
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PEPPERL+FUCHS


## Technical Data

F		37 mm
Operating voltage	$U_B$	15 ... 30 V
Switching frequency	f	0 ... 300 Hz
Hysteresis	H	0.05 ... 2.2 mm
Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		no
Overload resistance		no
Wire breakage protection		yes
Inductive overvoltage protection		yes
Surge suppression		yes
Ripple		10 %
Voltage drop	$U_d$	$\leq 8$ V
Repeat accuracy	R	0.3 mm
Operating current	$I_L$	2 ... 25 mA
Lowest operating current	$I_m$	2 mA
No-load supply current	$I_0$	$\leq 1.5$ mA
Time delay before availability	$t_v$	$\leq 40$ ms
Switching state indicator		LED, yellow
<b>Functional safety related parameters</b>		
Mission Time ( $T_M$ )		20 a
Diagnostic Coverage (DC)		0 %
<b>Compliance with standards and directives</b>		
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
<b>Approvals and certificates</b>		
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)
<b>Mechanical specifications</b>		
Connection type		cable PUR , 2 m
Core cross section		0.25 mm <sup>2</sup>
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Mass		145 g

## Connection



**Accessories**

	<p><b>BF 30</b></p>	<p>Mounting flange, 30 mm</p>
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