



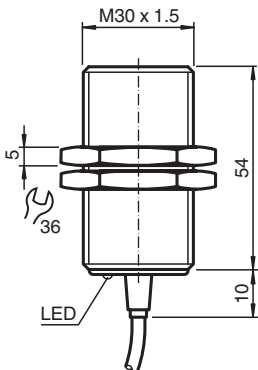
Inductive sensor

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

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

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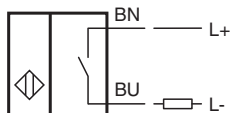
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 **PEPPERL+FUCHS**

Technical Data

C		16 mm
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	≤ 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	≤ 1.5 mA
Time delay before availability	t_v	≤ 40 ms
Switching state indicator		LED, yellow
Functional safety related parameters		
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		
CCC approval		CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		cable PUR , 2 m
Core cross-section		0.25 mm ²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Mass		145 g

Connection



Accessories

	BF 30	Mounting flange, 30 mm
	EXG-30	Quick mounting bracket with dead stop

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