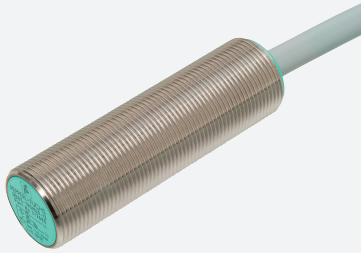


Inductive analog sensor

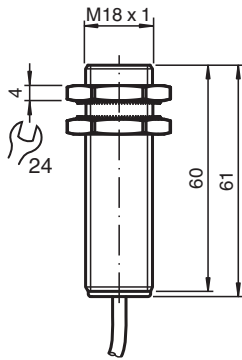
NBB5-18GM60-I



- Inductive analog
- Output 4 mA ... 20 mA
- Flush mounting



Dimensions



Technical Data

General specifications

Output type	Analog current output
Installation	flush
Output polarity	DC
Measurement range	1 ... 5 mm
Output type	3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC typ. 20 V DC
Reverse polarity protection		yes
Repeat accuracy		0 ... 80 μ m
No-load supply current	I_0	≤ 12 mA

Analog output

Output type		4 ... 20 mA
Slope of output characteristic		4 mA / mm
Linearity error		≤ ± 5 % of full-scale value
Load resistor		≤ 1000 Ω typ. 500 Ω
Rate of current rise		
4 ... 20 mA		max. 30.9 A/s
20 ... 4 mA		max. 11.1 A/s
Recovery time		1 ... 10 ms , typ. 5 ms

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

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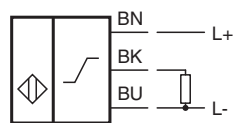
Singapore: +65 6779 9091
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 **PEPPERL+FUCHS**

Technical Data

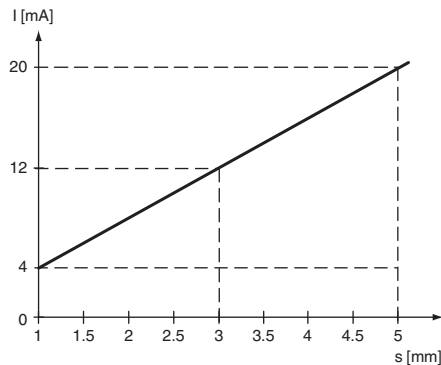
Adjustment tolerance zero point	$\leq \pm 5 \%$ of full-scale value
Temperature drift	$\leq \pm 0.15 \%$ /K of full-scale value
Residual ripple	$\pm 125 \mu\text{A}$
Compliance with standards and directives	
Standard conformity	
Standards	EN IEC 60947-5-2
Approvals and certificates	
UL approval	cULus Listed, Class 2 Power Source
CCC approval	CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions	
Ambient temperature	$-25 \dots 70 \text{ }^{\circ}\text{C}$ ($-13 \dots 158 \text{ }^{\circ}\text{F}$)
Mechanical specifications	
Connection type	cablc PVC , 2 m
Core cross section	0.5 mm^2
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Dimensions	
Length	60 mm
Diameter	18 mm

Connection



Characteristic Curve

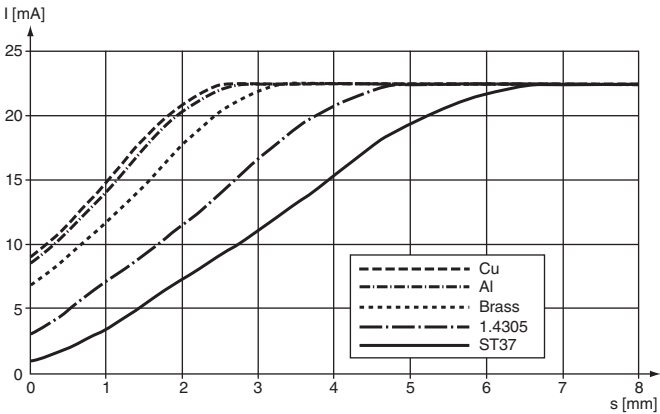
Output characteristics



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Characteristic Curve

Reduction factor



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