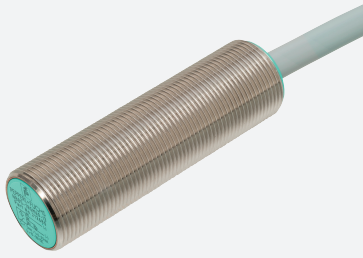


Inductive analog sensor

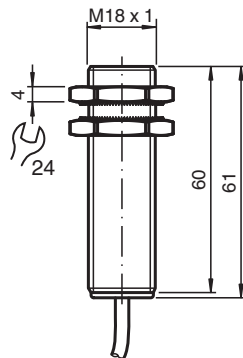
NBB5-18GM60-I



- 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	$\leq \pm 5$ % of full-scale value
Load resistor	$\leq 1000 \Omega$ typ. 500 Ω
Rate of current rise	

Release date: 2022-05-30 Date of issue: 2022-05-30 Filename: 303098_eng.pdf

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

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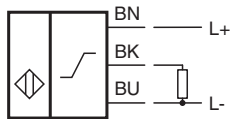
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 **PEPPERL+FUCHS**

Technical Data

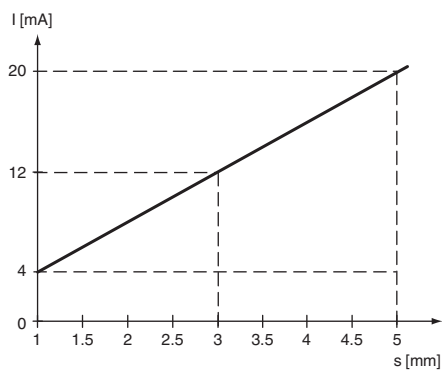
4 ... 20 mA	max. 30.9 A/s
20 ... 4 mA	max. 11.1 A/s
Recovery time	1 ... 10 ms , typ. 5 ms
Adjustment tolerance zero point	$\leq \pm 5$ % of full-scale value
Temperature drift	$\leq \pm 0.15$ %/K of full-scale value
Residual ripple	± 125 μ A
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007 EN 60947-5-7:2003 IEC 60947-5-7:2003
Approvals and certificates	
UL approval	cULus Listed, Class 2 Power Source
CCC approval	CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	cable PVC , 2 m
Core cross section	0.5 mm ²
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67

Connection



Characteristic Curve

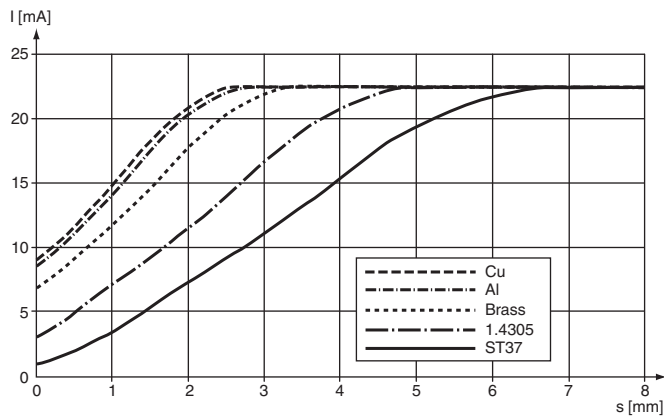
Output characteristics




Release date: 2022-05-30 Date of issue: 2022-05-30 Filename: 303098_eng.pdf

Characteristic Curve

Reduction factor



Accessories

	<p>BF 18</p>	<p>Mounting flange, 18 mm</p>
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Release date: 2022-05-30 Date of issue: 2022-05-30 Filename: 303098_eng.pdf