

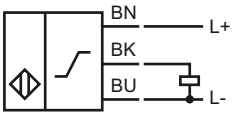
Model Number

NBB5-18GM60-I3

Features

- **Inductive analog**
- **Output 0 mA ... 20 mA**
- **Embeddable mounting**

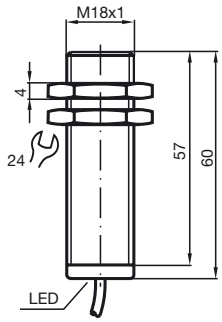
Connection



Accessories

BF 18
Mounting flange, 18 mm

Dimensions



Technical Data

General specifications		
Switching element function		Analog current output
Installation		embeddable
Output polarity		DC
Measurement range		1 ... 5 mm
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Repeat accuracy		0 ... 20 µm
No-load supply current	I_0	≤ 12 mA
Analog output		
Output type		0 ... 20 mA
Slope of output characteristic		5 mA / mm
Linearity error		≤ ± 4 % of full-scale value
Load resistor		≤ 1000 Ω
Rate of current rise		
0 ... 20 mA		max. 4.8 A/s
20 ... 0 mA		max. 4.6 A/s
Recovery time		1 ... 10 ms , typ. 5 ms
Adjustment tolerance zero point		≤ ± 10 % of full-scale value
Temperature drift		≤ ± 0.1 %/K of the measured value
Operating voltage		≤ 1 %
Residual ripple		± 30 µA
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
Protection degree		IP67
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, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

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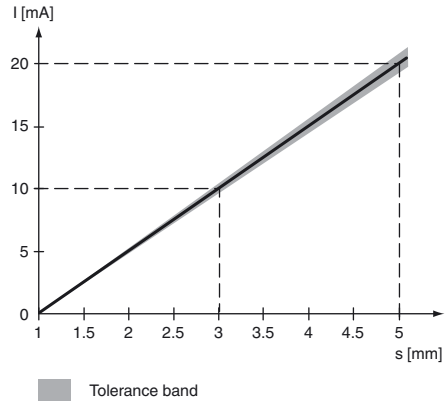
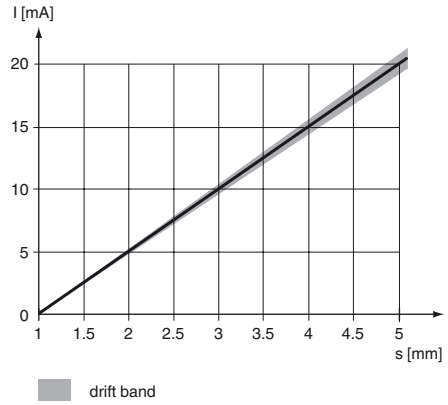
Curves

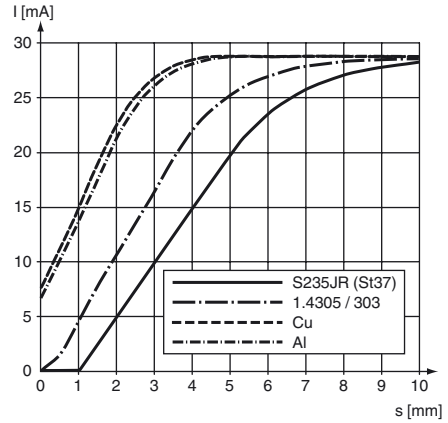
Output characteristics



Temperature drift



Reduction factor



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