



Model Number

NBB5-18GM60-I

Features

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

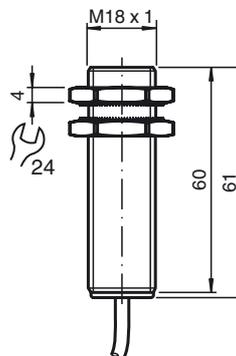
Accessories

BF 18
Mounting flange, 18 mm

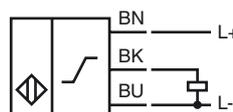
Technical Data

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	\leq 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 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
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 μ A
Ambient conditions		
Ambient temperature		-25 ... 70 $^{\circ}$ C (-13 ... 158 $^{\circ}$ 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
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 \leq 36 V

Dimensions



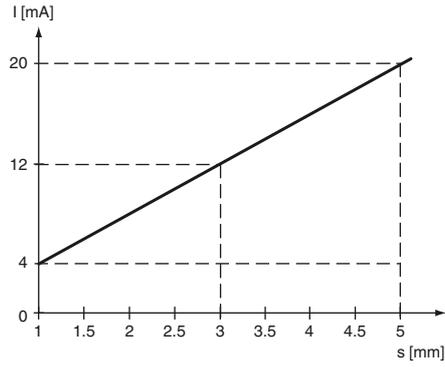
Electrical Connection



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Characteristic Curves

Output characteristics



Reduction factor

