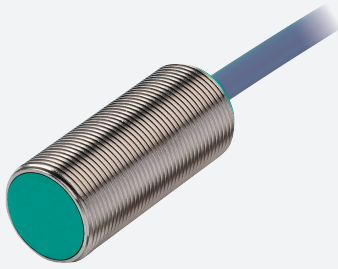


Inductive analog sensor

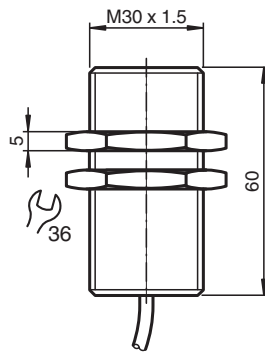
NBB8-30GM60-I3



- Inductive analog
- Output 0 mA ... 20 mA
- Flush mounting



Dimensions



Technical Data

General specifications		
Output type		Analog current output
Installation		flush
Output polarity		DC
Measurement range		3 ... 8 mm
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	15 ... 30 V DC
Repeat accuracy		0 ... 200 μm
Recovery time		1 ... 10 ms typ. 5 ms
No-load supply current	I ₀	≤ 12 mA
Analog output		
Output type		0 ... 20 mA
Slope of output characteristic		4 mA / mm
Linearity error		≤ ± 5 % of full-scale value
Load resistor		≤ 500 Ω

Release date: 2020-03-24 Date of issue: 2020-03-30 Filename: 282837_eng.pdf

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

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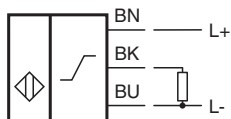
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PEPPERL+FUCHS

Technical Data

Rate of current rise		
0 ... 20 mA		≤ 50 A/s
20 ... 0 mA		≤ 20 A/s
Temperature drift		≤ ± 0.15 %/K of the measured value
Residual ripple		± 125 µA
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
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		0.75 mm ²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Cable		
Cable diameter		6.4 mm ± 0.2 mm
Bending radius		> 10 x cable diameter

Connection



Accessories

	BF 30	Mounting flange, 30 mm
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