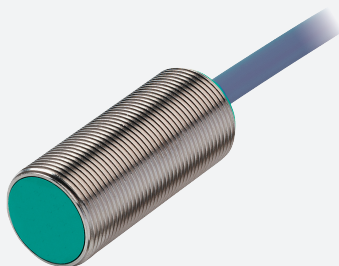


Inductive analog sensor

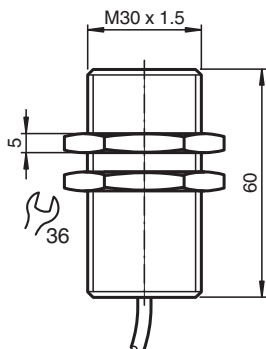
NBB8-30GM60-I3



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

Release date: 2022-06-30 Date of issue: 2022-06-30 Filename: 282837_eng.pdf

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

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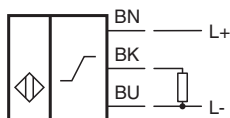
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 Singapore: +65 6779 9091
 fa-info@sg.pepperl-fuchs.com

Technical Data

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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