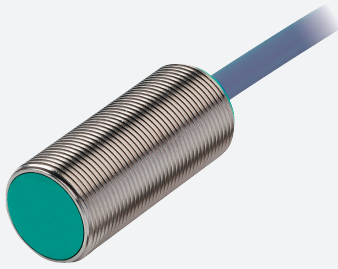


Inductive analog sensor

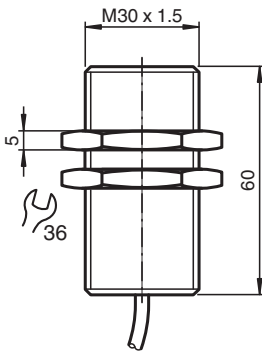
NBB8-30GM60-I3



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



Dimensions



Technical Data

General specifications

Output type	Analog current output
Installation	flush
Output polarity	DC
Measuring range	3 ... 8 mm
Output type	3-wire

Nominal ratings

Operating voltage	U_B	15 ... 30 V DC
Repeat accuracy		0 ... 200 μ m
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	
0 ... 20 mA	≤ 50 A/s
20 ... 0 mA	≤ 20 A/s
Temperature drift	$\leq \pm 0.15$ %/K of the measured value

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

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PEPPERL+FUCHS

Technical Data

Residual ripple		± 125 µA
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
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
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		6.4 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.75 mm ²
Length	L	2 m
Dimensions		
Length		60 mm
Diameter		30 mm

Connection

