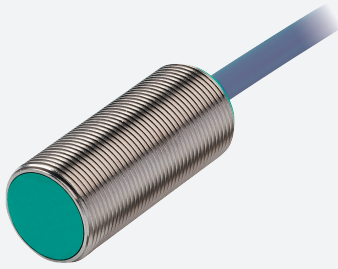


# Inductive analog sensor

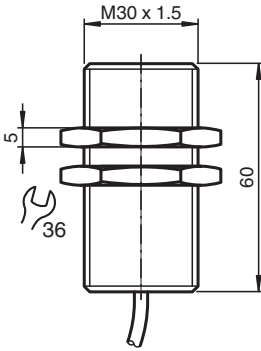
## NBB8-30GM60-I3



- 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 $\mu$ m
Recovery time		1 ... 10 ms typ. 5 ms
No-load supply current	$I_0$	$\leq$ 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	$\leq 50$ A/s
20 ... 0 mA	$\leq 20$ 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
<b>Compliance with standards and directives</b>	
Standard conformity	
Standards	EN IEC 60947-5-2
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>	
Connection type	cable PVC , 2 m
Core cross section	0.75 mm <sup>2</sup>
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
<b>Cable</b>	
Cable diameter	6.4 mm ± 0.2 mm
Bending radius	> 10 x cable diameter
<b>Dimensions</b>	
Length	60 mm
Diameter	30 mm

## Connection

