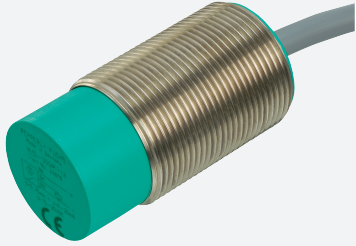


Inductive analog sensor

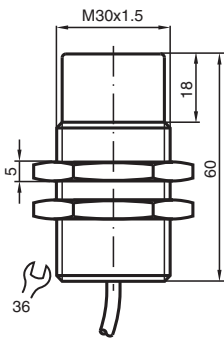
NBN15-30GM60-I3



- Inductive analog sensor
- Output 0 mA ... 20 mA
- Non-flush



Dimensions



Technical Data

General specifications

Output type	Analog current output
Installation	non-flush
Output polarity	DC
Measuring range	5 ... 15 mm
Output type	3-wire

Nominal ratings

Operating voltage	U_B	15 ... 30 V DC
Repeat accuracy		0 ... 200 μ m
No-load supply current	I_0	≤ 12 mA

Analog output

Output type	0 ... 20 mA
Slope of output characteristic	2 mA / mm
Linearity error	$\leq \pm 5$ % of full-scale value
Load resistor	$\leq 500 \Omega$
Rate of current rise	
0 ... 20 mA	≤ 17.5 A/s

Release date: 2025-01-13 Date of issue: 2025-01-13 Filename: 282838_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

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

 **PEPPERL+FUCHS**

Technical Data

20 ... 0 mA	≤ 16.4 A/s
Temperature drift	≤ ± 0.15 %/K of the measured value
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	Stainless steel V2A
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
Dimensions	
Length	60 mm
Diameter	30 mm

Connection

