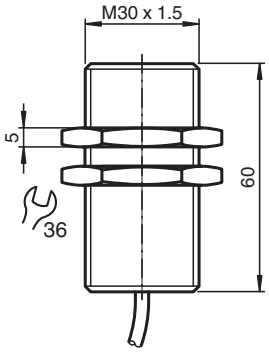


Inductive analog sensor

NBB8-30GM60-I3

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

Dimensions



Technical Data

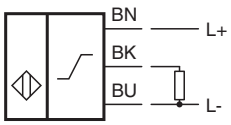
General specifications		
Output type		Analog current output
Installation		flush
Output polarity		DC
Measuring range		3 ... 8 mm
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	15 ... 30 V DC
Repeat accuracy		0 ... 200 µm
Recovery time		1 ... 10 ms typ. 5 ms
No-load supply current	I_0	≤ 12 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
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

Release date: 2025-07-23 Date of issue: 2025-07-23 Filename: 282837_eng.pdf

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 Load Type: General Purpose Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC
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 Assignment



Release date: 2025-07-23 Date of issue: 2025-07-23 Filename: 282837_eng.pdf