



**Model Number**

**NBB8-30GM60-I3**

**Features**

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

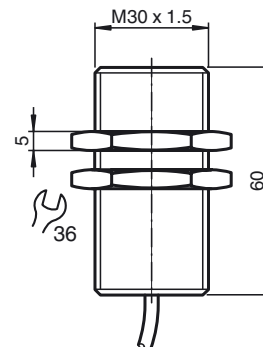
**Accessories**

**BF 30**  
Mounting flange, 30 mm

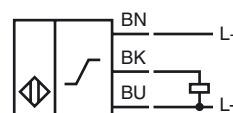
**Technical Data**

<b>General specifications</b>	
Output type	Analog current output
Installation	flush
Output polarity	DC
Measurement range	3 ... 8 mm
Output type	3-wire
<b>Nominal ratings</b>	
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
<b>Analog output</b>	
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
Residual ripple	$\pm$ 125 $\mu$ A
<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>Compliance with standards and directives</b>	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007 EN 60947-5-7:2003 IEC 60947-5-7:2003
<b>Approvals and certificates</b>	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq$ 36 V

**Dimensions**



**Electrical Connection**



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