

**Basic features**

<b>Approval/Conformity</b>	CE UKCA cULus WEEE
<b>Basic standard</b>	IEC 60947-5-2 IEC 60947-5-7

**Display/Operation**

<b>Power indicator</b>	no
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**Electrical connection**

<b>Cable diameter D</b>	3.10 mm
<b>Cable length L</b>	1.4 m
<b>Connection</b>	M8x1-Male, 3-pin
<b>Connection type</b>	Cable with connector, 1.40 m, PUR
<b>Polarity reversal protected</b>	no
<b>Protection against device mix-ups</b>	no
<b>Short-circuit protection</b>	no

**Electrical data**

<b>Limit frequency -3 dB</b>	1000 Hz
<b>Load resistance RL min.</b>	5000 Ohm
<b>No-load current Io max. at Ue</b>	15 mA
<b>Operating voltage Ub</b>	21.6...26.4 VDC
<b>Rated insulation voltage Ui</b>	75 V DC
<b>Rated operating voltage Ue DC</b>	24 V
<b>Ripple max. (% of Ue)</b>	10 %
<b>Slope U</b>	6.67 V/mm

**Environmental conditions**

<b>Ambient temperature</b>	10...60 °C
<b>Contamination scale</b>	3
<b>EN 60068-2-27, Shock</b>	Half-sinus, 30 gn, 11 ms
<b>EN 60068-2-6, Vibration</b>	55 Hz, amplitude 1 mm, 3x30 min
<b>IP rating</b>	IP67

Inductive Sensors  
**BAW G06EE-UAF20B-EP01,4-GS49**  
Order Code: BAW005L

**BALLUFF**

**Interface**

Analog output	Analog, voltage 0...10 V
Output characteristic	falling on approach
Output voltage at SI max.	10 V
Output voltage at SI min.	0 V
Output voltage at Se	5 V

**Material**

Housing material	Stainless steel
Material jacket	PUR
Material sensing surface	PBT

**Mechanical data**

Dimension	Ø 6.5 x 30.5 mm
Installation	for flush mounting
Size	D6.5

**Range/Distance**

Linearity range SI	0.5...2 mm
Measuring range	0.5...2 mm
Non-linearity max.	±45 µm
Repeat accuracy per BWN	±10 µm
Temperature drift max. from end value	±5.0 %

**Remarks**

Values referenced to axial approach of St 37 target. For other materials correction factors are applied.

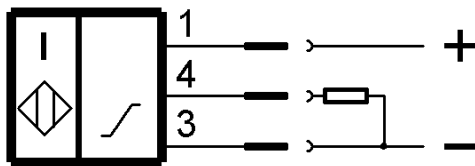
EMC: External protection circuit required, see instruction for EMC protection circuit 825345.

The specified parameters apply to the temperature range of +10...+60 °C. Function is also guaranteed in the ranges -10...+10 °C and +60...+70 °C.

**Connector Drawings**



**Wiring Diagrams**



Technical Drawings

