

### Basic features

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

### Display/Operation

Power indicator	no
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### Electrical connection

Cable diameter D	3.00 mm
Cable length L	3 m
Conductor cross-section	0.14 mm <sup>2</sup>
Connection type	Cable, 3.00 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

Limit frequency -3 dB	1000 Hz
Load resistance RL min.	2000 Ohm
No-load current I <sub>0</sub> max. at U <sub>e</sub>	8 mA
Operating voltage U <sub>b</sub>	15...30 VDC
Protection class	II
Rated insulation voltage U <sub>i</sub>	250 V AC
Rated operating voltage U <sub>e</sub> DC	24 V
Ripple max. (% of U <sub>e</sub> )	15 %
Slope U	10.00 V/mm

### Environmental conditions

Ambient temperature	-10...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g <sub>n</sub> , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

### Functional safety

MTTF (40 °C)	640 a
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### 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 8 x 51.5 mm
Installation	for flush mounting
Size	M8x1
Tightening torque	5 Nm

**Inductive Sensors**  
**BAW M08EI-UAD15B-BP03**  
**Order Code: BAW000T**



**Range/Distance**

Linearity range SI	0.5...1.5 mm
Measuring range	0.5...1.5 mm

Non-linearity max.	±30 µm
Repeat accuracy per BWN	±8 µm
Temperature drift max. from end value	±5.0 %

**Remarks**

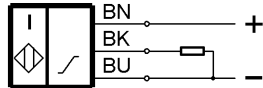
Values referenced to axial approach of St 37 target. For other materials correction factors are applied.

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

**Wiring Diagrams**



**Technical Drawings**

