

Basic features

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

Display/Operation

Function indicator	no
Power indicator	no

Electrical connection

Bending radius min., fixed cable	≥ 12 mm
Bending radius min., flexible cable	≥ 12 mm
Cable diameter D	3.3...3.5 mm
Cable length L	150 mm
Conductor cross-section	0.14 mm ²
Connection	M8x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 150 mm, PU
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 _o max. at U _e	10 mA
Operating voltage U _b	15...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating voltage U _e DC	24 V
Ripple max. (% of U _e)	15 %
Slope U	0.77 V/mm

Inductive Sensors
BAW R14KC-UAD15F-BP00,15-GS75-506
 Order Code: BAW0064



Environmental conditions

Ambient temperature	-10...70 °C
Contamination scale	3
IP rating	IP67

Functional safety

MTTF (40 °C)	325 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

Cable shield	no
Housing material	PA 12
Material jacket	PU
Material sensing surface	PA 12

Mechanical data

Dimension	20 x 15 x 42 mm
Installation	non-flush
Size	Block style
Tightening torque	0.5 Nm

Range/Distance

Linearity range SI	2...15 mm
Measuring range	2...15 mm
Non-linearity max.	±1000 µm
Repeat accuracy per BWN	±200 µm
Temperature drift max. from end value	±20.0%

Remarks

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. 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.

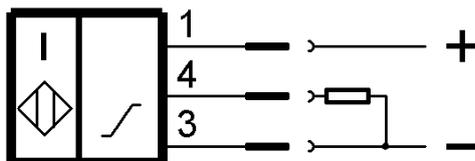
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

Connector Drawings



Wiring Diagrams (Schematic)



Technical Drawings

