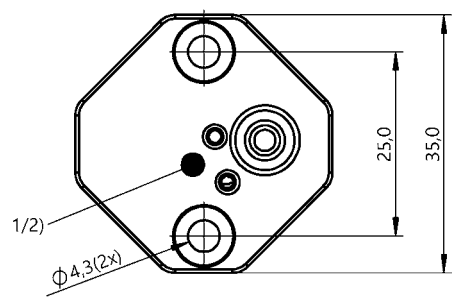
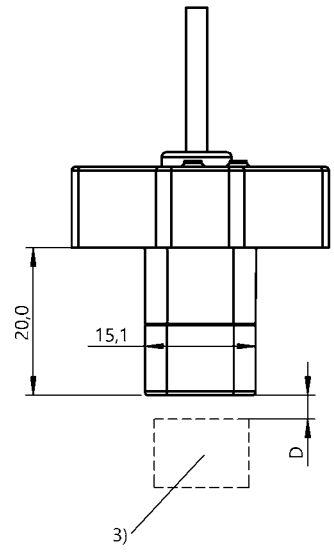
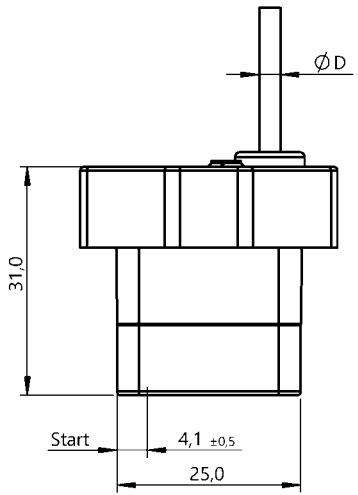


Inductive Sensors
BIP CD2-T017-01-EB02
Order Code: BIP001W



1) LED function indicator, 2) LED function indicator, 3) Teach-In button



Basic features

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

Display/Operation

Function indicator	Adjustment indicator
Power indicator	no

Electrical connection

Bending radius min., fixed cable	3 x D
Bending radius min., flexible cable	Fixed installation only.
Cable diameter D	3.50 mm
Cable length L	2 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 2.00 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load resistance RL max.	500 Ohm
No-load current Io max. at Ue	21 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	10 %
Slope I	0.94 mA/mm

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Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

Functional safety

MTTF (40 °C)	200 a
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Interface

Analog output	Analog, current 4...20 mA
Output characteristic	Adjustable
Output current at SI max.	20 mA
Output current at SI min.	4 mA
Output current at Se	12 mA

Material

Cable shield	yes
Housing material	PA
Material jacket	PUR
Material sensing surface	PA

Mechanical data

Tightening torque max.	0.5 Nm
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Range/Distance

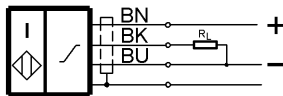
Linearity range SI	0...17 mm
Measuring range	0...17 mm
Non-linearity max.	±250 µm
Repeat accuracy per BWN	±50 µm
Temperature drift max. from end value	±3.0 %

Remarks

Please refer to manual.
Specification applies to the recommended damper BAM TG-XE-020 at D = 1 mm
The measuring range is teachable using the BAE00T3 programmer.
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



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Technical Drawings

