



### Basic features

Approval/Conformity	CE EAC WEEE
Scope of delivery	Screw terminal (for BAM01ZH) Short guide

### Display/Operation

Actuator supply UA, indicator	Green LED
IO-Link communication indicator	Green LED
Module supply indicator	Green LED
Sensor supply US indicator	Green LED
Switching function display	LED yellow

### Electrical connection

Connection (COM 1)	Screw/plug-in terminals, 4-pin
Connection (supply voltage IN)	Screw/plug-in terminals
Connection slots	Screw/plug-in terminals

### Electrical data

Burst	3A/4B
Configurable inputs/outputs	yes
Current consumption without load, max.	80 mA
IO-Link function	Device
IO-Link ports, number	1
Operating voltage U <sub>b</sub>	18...30.2 VDC
Rated operating voltage U <sub>e</sub> DC	24 V
Switching current	16x 350 mA

### Environmental conditions

Ambient temperature	-20...50 °C
Protection degree	IP20
Storage temperature	-25...70 °C

### Functional safety

MTTF (40 °C)	115 a
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## I/O modules

**BNI IOL-310-000-K025**

**Order Code: BNI004L**

# BALLUFF

### Material

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<b>Housing material</b>	PA 6.6, UL94V-0
<b>Housing shield</b>	no

### Mechanical data

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<b>Dimension</b>	79 x 33.6 x 84 mm
<b>Mounting</b>	DIN rail mount

### Output/Interface

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<b>Cycle time min.</b>	3 ms
<b>Digital inputs</b>	16x PNP, Type 2
<b>Digital outputs</b>	16x PNP
<b>IO-Link version</b>	1
<b>Interface</b>	IO-Link 1.0
<b>Process data IN</b>	2 bytes
<b>Process data OUT</b>	2 bytes
<b>Process data cycle min.</b>	12 ms
<b>Transfer rate</b>	COM2 (38.4 kBaud)

### Remarks

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Associated screw clamps (BAM01ZH) or spring clamps (BAM01ZK) must be ordered separately.

See short guide

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.