BALLUFF

Universal IO-Link Connection

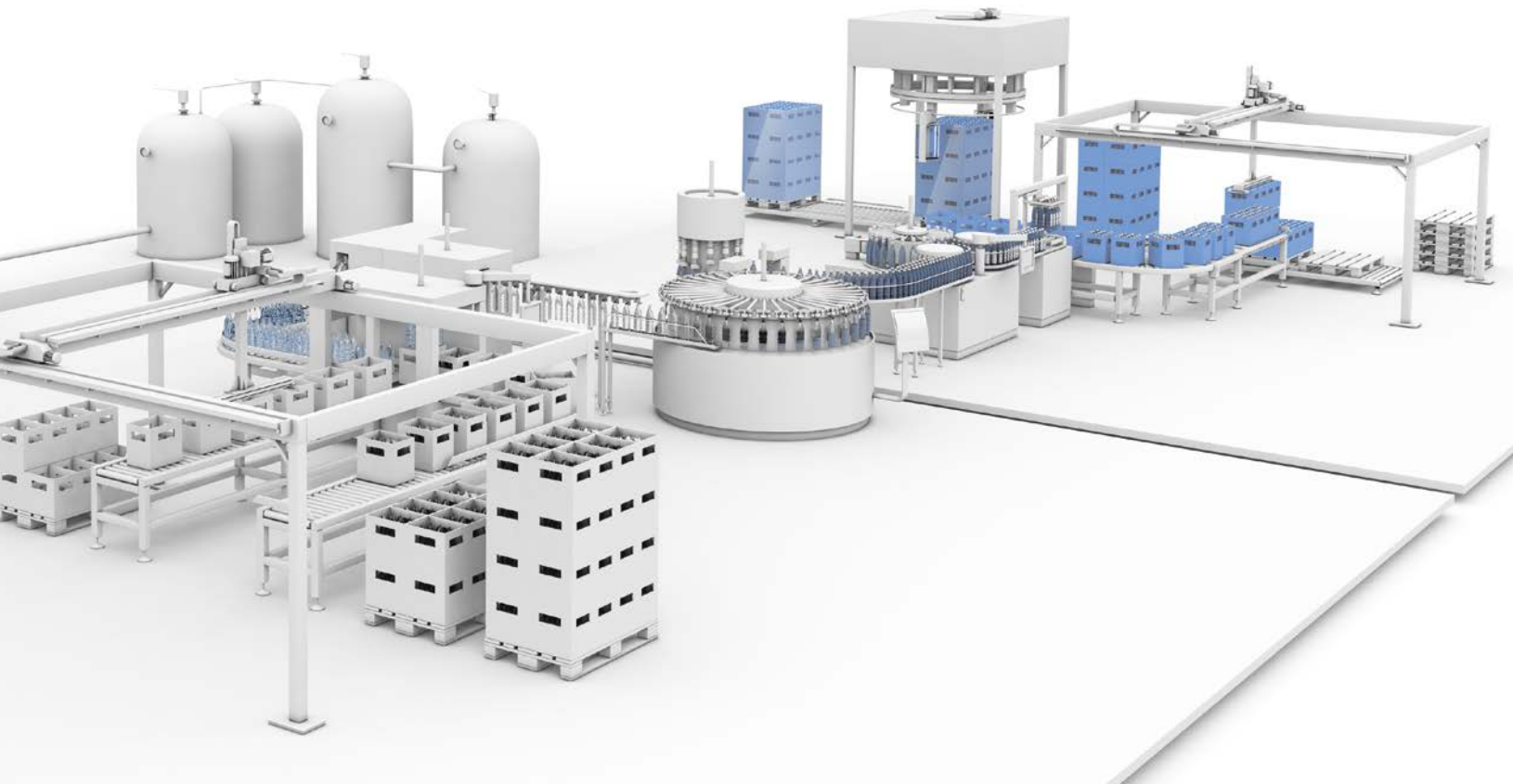# DELIVERS RELIABLE SIGNAL TRANSMISSION UNDER EXTREME AMBIENT CONDITIONS

The universal IO-Link interface was developed for the extreme conditions in the food and pharmaceutical industries. The corrosion- and cleaning-agent-resistant module maintains IP69 protection and ECOLAB certification. This ensures reliable signal transmission in demanding environments.

The universal IO-Link connector can connect up to 8 discrete inputs/outputs through a single 4-wire sensor cable. This eases connectivity to valve terminals, signal lights, push button stations, transfer units, or even Robot EOAT, by reducing cable glands and consolidating power and data on the same cable.

By using this module, machine builders can take advantage of the lean wiring philosophy offered with IO-Link. End users will benefit from onboard diagnostics for open current and short circuit allowing them to quickly troubleshoot the systems.

Features

- Compact housing for direct connection to a wide range of devices
- IO-Link interface enables universal and fieldbus-neutral use
- Up to 8 in/outputs
- Simple installation: connect to the control level using standard sensor cables
- Corrosion- and cleaning-agent-resistant housing with IP69 protection

CE   c(UL)us LISTED   IO-Link   ECOLAB

O-LINK INTERFACE

	BNI00AE
Output signal	IO-Link 1.1
Type/Number of E/A, Configuration max.	8 x E/A
Supply voltage U_B	18...30.2 V DC, appropriate EN 61131-2
Connection: I/O ports	M12, A-coded, pin
Operating modes	COM 2
Cycle time	8.4 ms
IO-Link process data length	1 Byte input/1 Byte output
Max. load current input	1.4 A
Max. load current output	1 A
Load current per pin	200 mA
Enclosure rating per IEC 60529	IP69
Supply voltage T_a	-5...+60 °C
Storage temperature	-25...+70 °C
Housing material	Stainless steel V4A (1.4305)
Dimensions (LxW)	117 x Ø 18 mm, without cable
Cable length	1300 mm

ACCESSORIES

	BAM00F2	BAM0219	BAM00FC
Type	Mounting cuff for sensors Ø 18 mm	Mounting cuff for sensors Ø 18 mm and M18	Mounting clamp with positive stop for sensors M18
Material	Polyamide	Anodized aluminum	Anodized aluminum

CONNECTORS

	BCC0HEE	BCC0HEF	BCC0HEH
Type	M12 male straight, 4 pin/ M12 female straight, 5 pin, 2 m cable	M12 male straight, 4 pin/ M12 female straight, 5 pin, 5 m cable	M12 male straight, 4 pin/ M12 female straight, 5 pin, 10 m cable
Material	PVC grey	PVC grey	PVC grey
Protection	IP69	IP69	IP69

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