

## Galvanically Isolated Sensor/Actuator Hub BNI IOL-355

# ALL-IN-ONE I/O MODULE WITH SAFELY INTERRUPTIBLE ACTUATOR SEGMENT

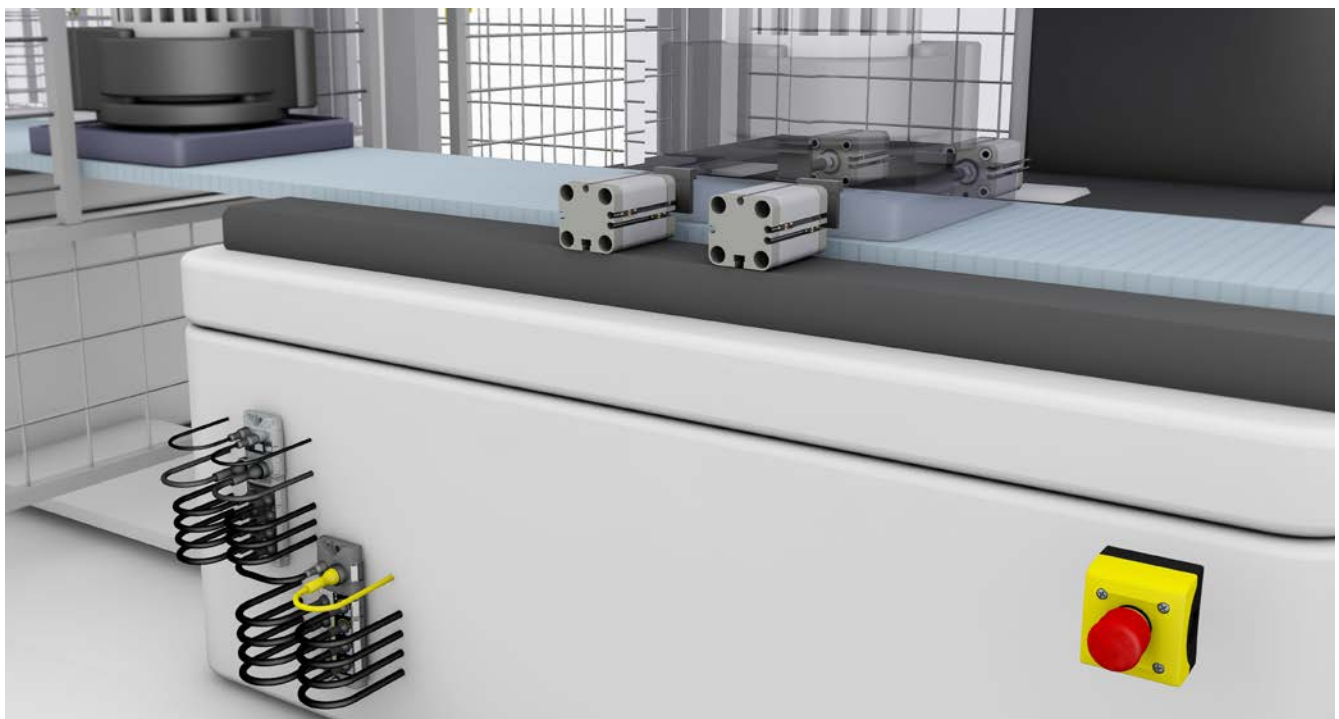
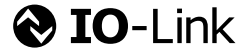
This all-in-one solution allows you to connect both sensors and actuators to a single module. At the same time you can safely turn off the actuator power. The model BNI IOL-355... is divided into two galvanically isolated segments.

To safely turn off the supply voltage for the actuator segment an external safety device (relay) is required. The module is then capable of implementing safety functions up to SIL2 in accordance with EN62061.

You can operate up to eight digital in- and outputs with the module. If the IO-Link connection is interrupted, the outputs assume defined states. These states remain in effect until the IO-Link connection is restored.

### Features

- Connect in- and output signals to a single module
- Galvanically isolated for safe interruption of the output signals
- Easy diagnostics using IO-Link and status LEDs
- For harsh environments: rugged IP67 housing



GALVANICALLY ISOLATED  
SENSOR/ACTUATOR HUB



	BNI00CL
Interface	IO-Link 1.1
Transfer rate	COM3 (230.4 kBaud)
Response time	1 ms
PL (EN ISO 13849-1)	d
SIL CL (EN/IEC 62061)	2
Power supply	19.2...30 V DC (per EN 61131-2)
Degree of protection IEC 60529	IP67 (with connectors)
Ambient temperature	-5...+55 °C
Number of inputs / outputs	8 / 8
Total current $U_{Actuator}, U_{Sensor}$	9 A
Approvals	CE, TÜV

IO-LINK SENSOR CABLES



1 M CABLE	BCC0FAC	BCC05LU
2 M CABLE	BCC05EJ	BCC05LY
5 M CABLE	BCC05EK	BCC05M1
10 M CABLE	BCC05EL	BCC05M3
Type	TPE Yellow, Single ended	TPE Yellow, Double ended
Connector 1	M12 Male straight, 4-pole	M12 Female straight, 5-pole
Connector 2		M12 Male straight, 4-pole

POWER CABLES



1 M CABLE	BCC09CK	BCC09E0
5 M CABLE	BCC09CL	BCC09E1
10 M CABLE	BCC09CM	BCC09E2
15 M CABLE	BCC09CN	BCC09E3
Type	PVC Yellow, Single ended	PVC Yellow, Double ended
Connector 1	7/8" Female straight, 5-pole	7/8" Female straight, 5-pole
Connector 2		7/8" Male straight, 5-pole