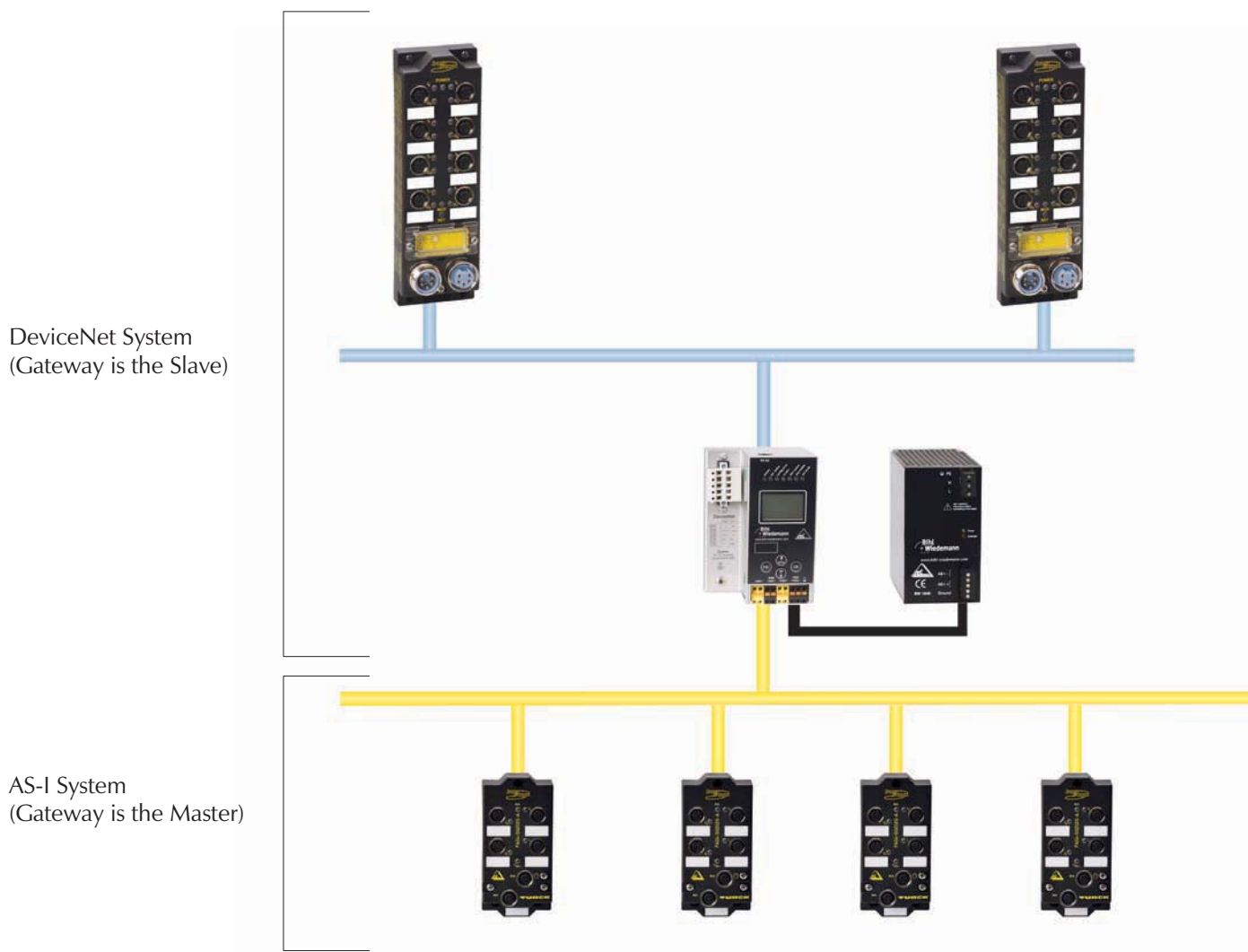


DeviceNet to AS-interface® Gateways

AS-I systems can be easily connected to a higher-level network, such as DeviceNet, through a gateway master. The gateway acts as a master to the AS-I system(s) and a slave to the DeviceNet system, mapping all of the AS-I data for DeviceNet in a single block.

For AS-I specifications and ratings details, see section E of this catalog.



Addressing

DeviceNet™ stations must have a network address for communication. The address for AS-i/DeviceNet gateway stations may be set via the display screen and push buttons. Please consult the manual for a particular gateway for instruction on the procedure.

Diagnostics

AS-i/DeviceNet gateways contain LEDs for diagnosing I/O and communication problems for both the DeviceNet and AS-I interfaces. For a detailed description of the LED states, please see the Bihl+Wiedemann AS-i/DeviceNet Gateway User Manual available to download from www.bihl-wiedemann.com.

Power

Most AS-i/DeviceNet gateways draw power from the AS-I power supply. The option to use a separate, non-AS-I power supply is also available. Refer to the AS-I masters section of this catalog for more details on the power supply configurations.

AS-I Gateways in Stainless Steel

- AS-I v3.0 Supported
- Graphical Display
- Integrated Ground-Fault Detection
- Integrated AS-I Diagnostics



- ASI-DNG-SS BW1818*
- ASI-DNG-SS BW1819*
- ASI-DNG-SS BW1820*
- ASI-DNG-SS-C1D2 BW1824
- ASI-DNG-SS-C1D2 BW1825
- ASI-DNG-SS-C1D2 BW1826

* Not ETL Listed

Electrical

- Operating Current: 200 mA from V_{AS-1} (Power Supply A)
200 mA from V_{AS-11} , 70mA from V_{AS-i2} (Power Supply A2)
250 mA from V_{AUX} (Power Supply E)

Power Distribution

- From AS-I supply for each network (Power Supply A, A2)
- From external supply (Power Supply E)

Mechanical

- Operating Temperature: 0 to +55°C (+32 to +131°F)
- Protection: IP 20
- Vibration: According to EN 61131-2

Material

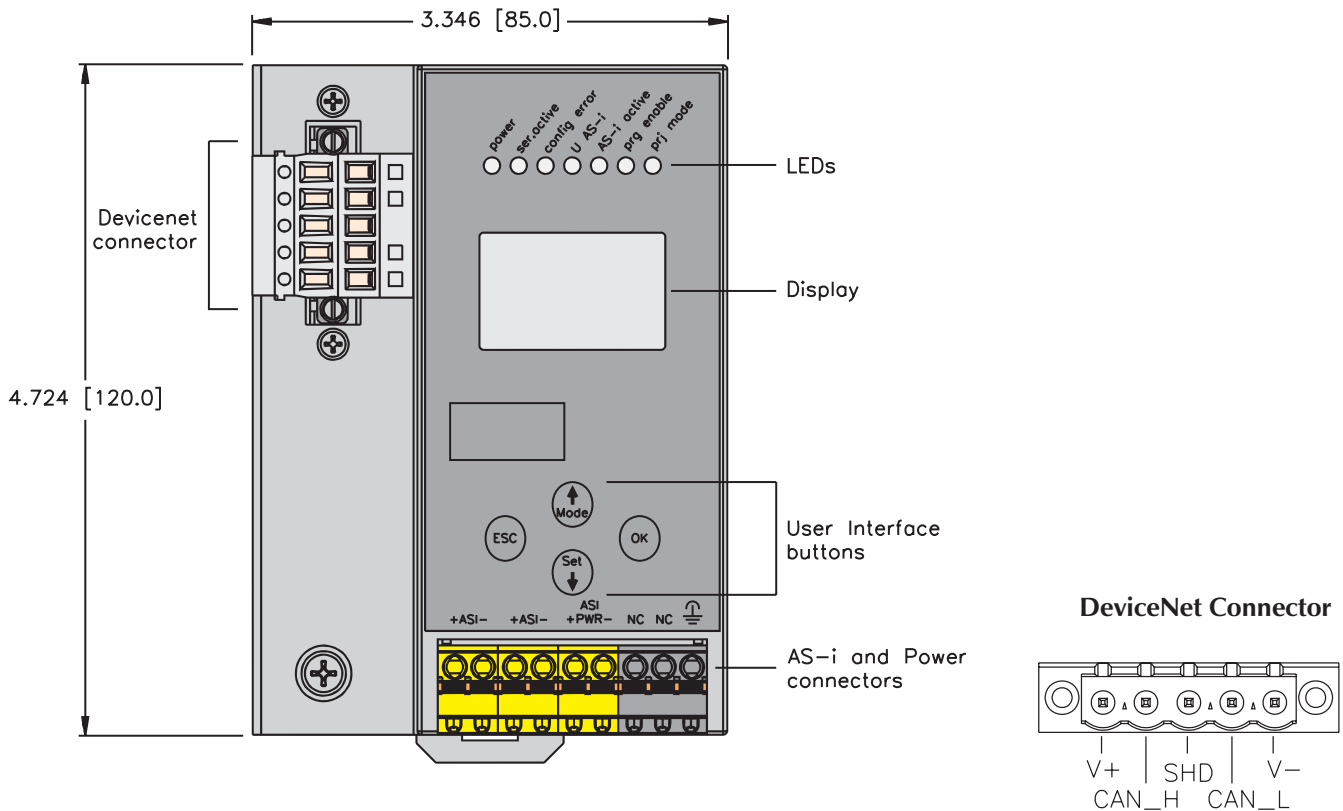
- Housing: Stainless Steel

Diagnostics (Logical)

- AS-I diagnostic data is available via Network interface

Diagnostics (Physical)

- LEDs to indicate status of network and AS-I communication and power supply



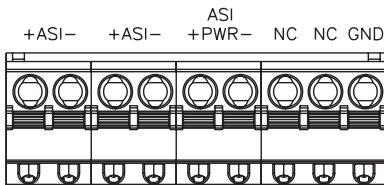
Part Number	Higher Level Network	Power Style	AS-I Version	Connection Diagram	# of AS-I Masters
ASI-DNG-SS BW1818	DeviceNet	A	3.0	A	1
ASI-DNG-SS BW1819	DeviceNet	A2	3.0	A2	2
ASI-DNG-SS BW1820	DeviceNet	E	3.0	E	2
ASI-DNG-SS-C1D2 BW1824*	DeviceNet	A	3.0	A	1
ASI-DNG-SS-C1D2 BW1825*	DeviceNet	A2	3.0	A2	2
ASI-DNG-SS-C1D2 BW1826*	DeviceNet	E	3.0	E	2

DeviceNet

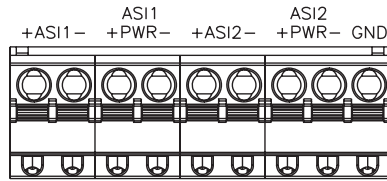
* Approved for use in Class 1, Division 2 areas.

Input/Output Connectors

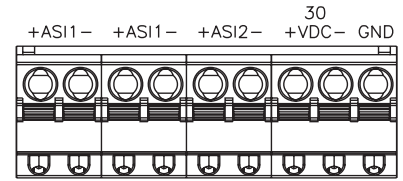
A



A2



E



A - Single AS-I network is powered by and AS-I power supply

A2 - Dual AS-I networks are each powered by their own AS-I power supply

E - Dual AS-I networks are both powered by a single 30 VDC supply, decoupled through the gateway