

AHD-UCC

Universal CAN Converter



CAN/CAN Data Conversion

Integration of external system data into AHD-SAS CAN Bus Network

Adaptable external data protocols

- NMEA 2000®
- SAE J1939
- Caterpillar Engines
- Cummins Engines

Special Features

- Applicable as repeater unit with extended cable lengths in AHD-SAS CAN bus network



NMEA 2000® is a registered trademark of the National Marine Electronics Association
Böning Automationstechnologie GmbH & Co. KG is manufacturer member of the National Marine Electronics Association

The Universal CAN Converter AHD-UCC is a microcontroller controlled unit for logging and conversion of measuring point data from communication protocols of external CAN bus networks to the Böning AHD-SAS CAN bus network.

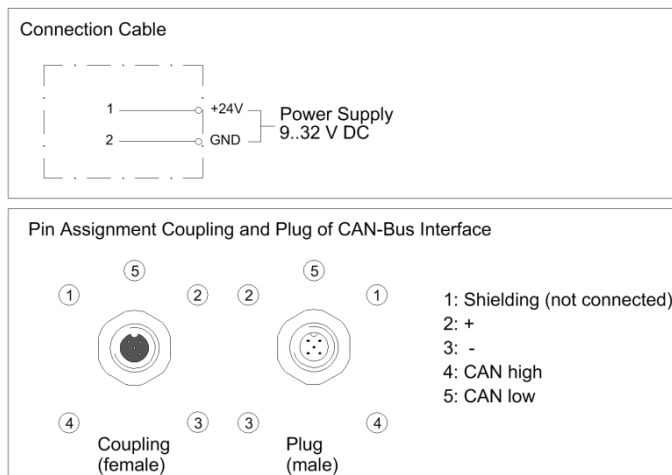
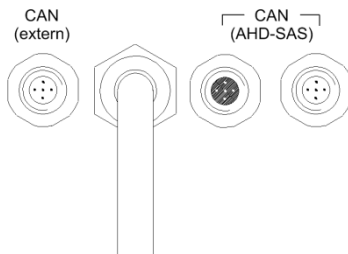
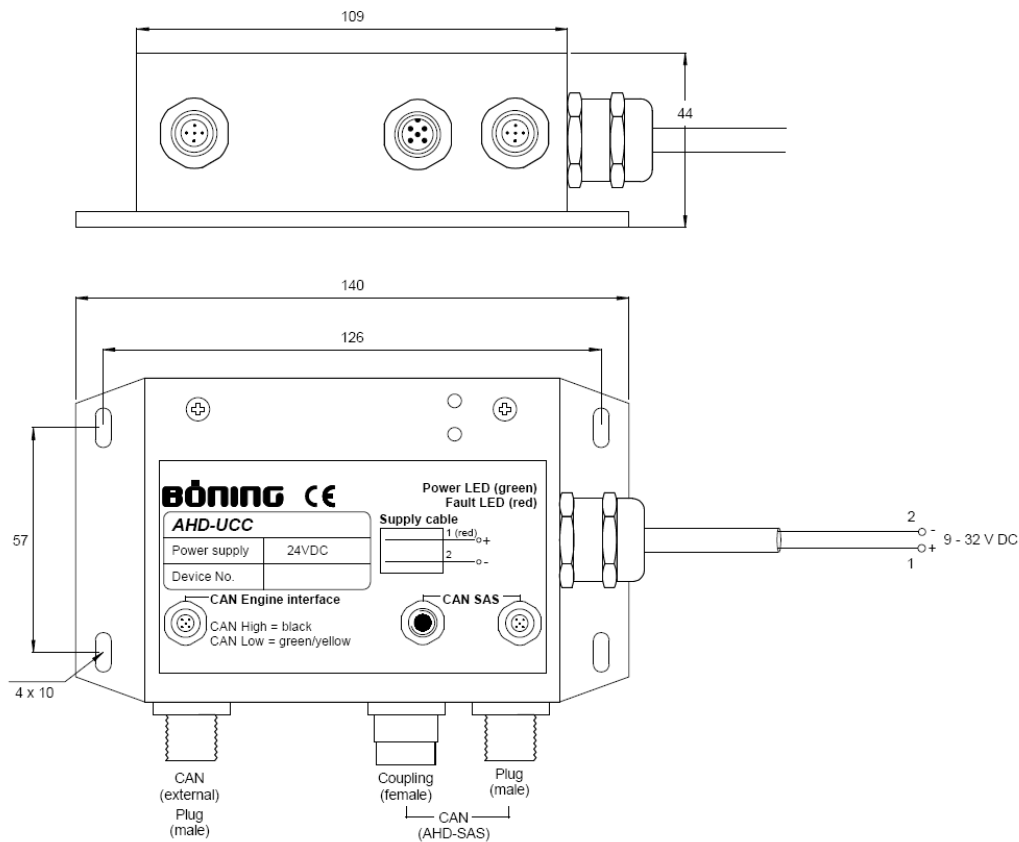
Thus, selected data of connected external systems can be updated and monitored continuously and visualized e.g. on graphical pages of connected color displays.

The configuration of data communication with settings for the adaptable external data protocols and the definition of required data conversions is carried out with configuration software for the Böning AHD-SAS network.

The CAN bus networks are designed with galvanically isolation. The connection of external CAN bus networks (input) and of Böning AHD-SAS CAN bus networks (in- and output) is carried out with screwable plug connectors according to the DeviceNet standard. The power supply for the device electronics is provided via the integrated cable connection in the range of 9 - 32 V DC.

The Universal CAN Converter AHD-UCC is designed with a robust aluminium casing ensuring a high degree of protection and provided with outside fixing holes for bulkhead or mounting plate installation.

Technical Information:



Technical Data

Mechanical Data:

Dimension W x H x D: 140 x 82 x 44 mm

Weight: Appr. 0.45 kg

Environmental Data:

Operating Temperature: -25°C ... +70°C

Storage Temperature: -30°C ... +85°C

Degree of Protection: IP 56

Electrical Data:

Power Supply: 24 V DC (+30%/-25%)

Current Consumption, max.: 55 mA

Interfaces:

2 x CAN

Internal CAN bus connection for Böning AHD-SAS coupling and plug conforming to the DeviceNet standard (In-/Output)

1 x CAN

CAN bus connection for external system
Plug conforming to the DeviceNet Standard (Input)

Approvals

DNV, CRS, LR, RS