

# AHD-UIC

## Protocol converter Modbus RTU

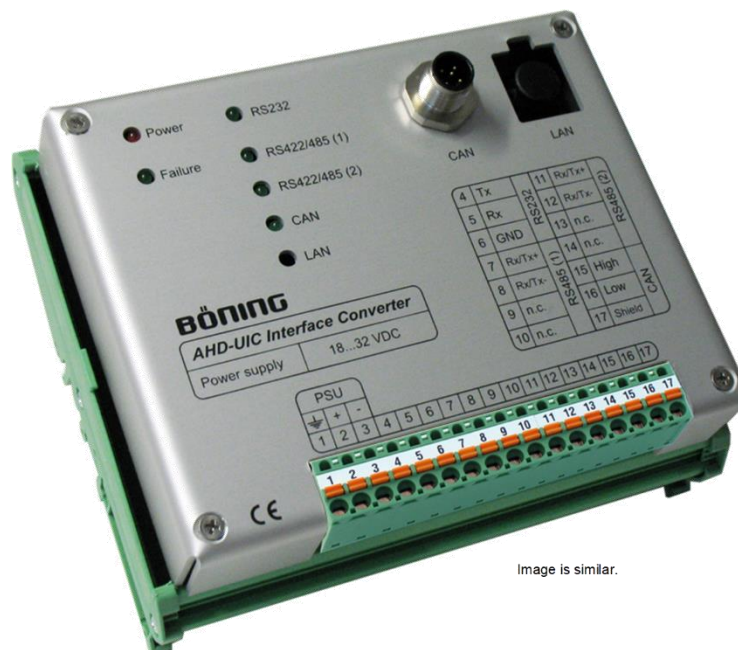


Image is similar.

### **Microprocessor-controlled device in a compact design**

### **Two RS485 interfaces with Modbus RTU communication protocol**

### **CAN bus output**

### **Customized configuration**

AHD-UIC is a protocol converter capturing data from external systems with Modbus RTU communication protocol.

It is a microprocessor-controlled device for installation in a housing (cabinet, desk, ...). External systems can be connected to a pluggable terminal strip at two galvanically isolated RS485 interfaces and their data can be shown on displays and panel PCs via the CAN bus of the Böning system.

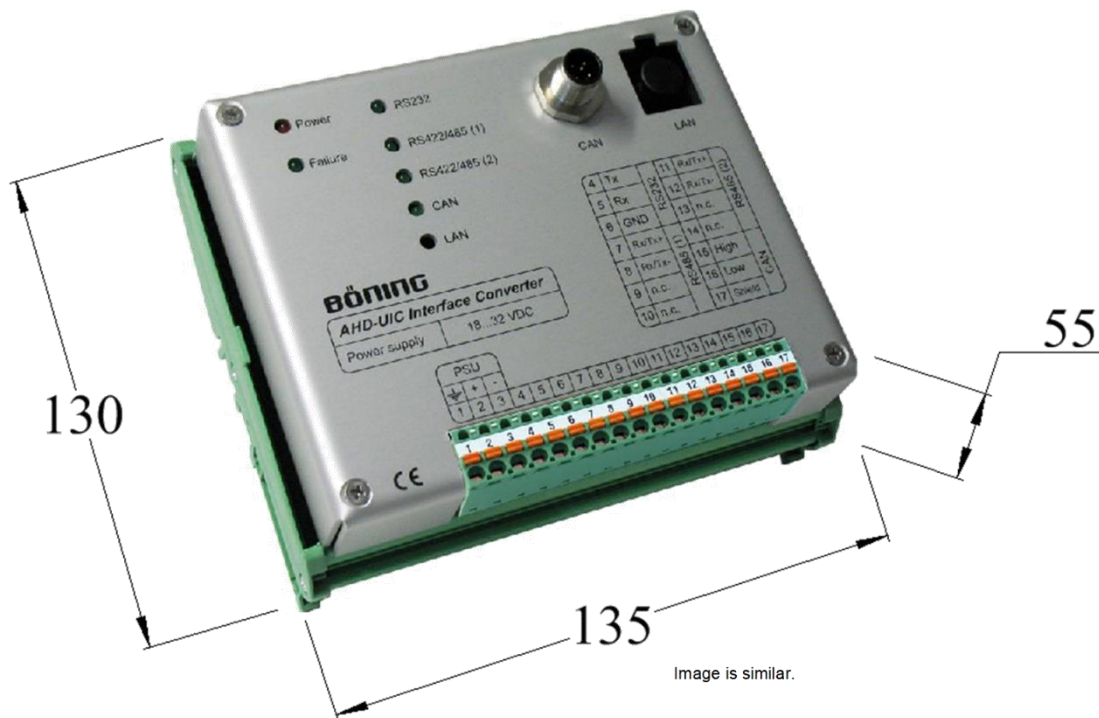
AHD-UIC is a part of the Böning product family and therefore allows individual customized configuration with a software configuration tool. Data rates of up to 38.400 Baud are supported. Up to 100 Modbus data packets are cyclically processed. AHD-UIC acts as a bus master.

AHD-UIC provides automatic failure detection. Both analog and digital values can be queried. AHD-UIC takes over the complete data processing. Conversion tables are storable (i.e. from non-metric to metric). Input data can be configured as a display or alarm value; masking on binary level is possible.

A combination of two devices (master / slave) can be used to set up a redundant system.

Variants of AHD-UIC that support other protocols are available.

## Dimensions



Modbus - CAN					
4	Tx	RS232	11	Rx/Tx+	RS485 (2)
5	Rx		12	Rx/Tx-	
6	GND		13	n.c.	
7	Rx/Tx+	RS485 (1)	14	n.c.	CAN
8	Rx/Tx-		15	High	
9	n.c.		16	Low	
10	n.c.		17	Shield	

## Technical Data

Power supply	18...32 V DC
Current consumption	Ca. 400 mA (24 V DC)
Operating temperature	-25°C...70°C
Storage temperature	-30°C...85°C
Weight	Ca. 2 kg
Degree of protection	IP 20
Dimensions W x H x D	135 mm x 130 mm x 55 mm
Input interfaces	2 x RS485 – Modbus RTU
Output	1 x CAN
Assembly	On rail TS 32 and TS 35
Approvals	ABS, CRS, DNV, LR, RINA
Required distance to compass	Standard magnetic compass: 0.50 m Steering magnetic compass: 0.40 m