




# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.	<b>8612209 HH</b>
Company	<b>Böning Automationstechnologie GmbH &amp; Co. KG Am Steenöver 4 27777 Ganderkesee, GERMANY</b>
Product Description	<b>Interface Converter Modbus/CAN</b>
Type	<b>AHD-UIC</b>
Environmental Category	<b>C, EMC1</b>
Technical Data / Range of Application	<b>Compact protocol converter</b>  <b>Inputs: 2x RS485 - Modbus RTU, Outputs: 1x CAN, Data Transmission rate: up to 38,4 kBaud, Customer specific configuration via RS232 interface,</b>  <b>Power Supply: 18...32VDC,</b>  <b>Degree of Protection: IP20.</b>
Test Standard	<b>Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003</b>
Documents	<b>Test report : EMV-09/8175-5; Paconsult 09-2238; Böning FAT test protocol ver.1 – VIKING. Data sheet.</b>
Remarks	<b>Additional Cold Test -25°C passed.</b>
Valid until	<b>2014-09-10</b>
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File No. <b>I.B.06</b>	
<b>Hamburg, 2009-10-28</b>	

**Germanischer Lloyd**

Jürgen Wittburg

Jens Dietrich

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".