



# 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. **8785993 HH**

Company **Böning Automationstechnologie  
GmbH & Co. KG  
Am Steenöver 4  
27777 Ganderkesee, GERMANY**

Product Description **Alarm and Monitoring System**

Type **DZA - 02 consisting of PS 47-1-15, AHD 903-15, AHD W, Compact EDA 47, AHD 903 V, AHD 406 H, AHD 406 - 2**

Environmental Category **C, (EMC1), EMC2**

Technical Data /  
Range of Application **Power supply : 24 V DC**

<b>PS 47-1-15</b>	<b>Unit for 15 binary inputs</b>
<b>AHD 903-15</b>	<b>Unit for 15 analogue inputs</b>
<b>AHD W</b>	<b>Interface unit with 18 TTY inputs, 8 TTY outputs, 1 TTY bi-directional connection</b>
<b>Kompact EDA 47 (EMC1)</b>	<b>Alarm and display unit for 47 indications 3 TTY inputs, 4 TTY outputs 2 NO / NC contacts outpus rated 48 V, 2 A 12 opencollector outputs 0.2 A each</b>
<b>AHD 903 V</b>	<b>Amplifier for 12 thermocouple inputs 12 signal outputs 0 - 12 Vmax.</b>
<b>AHD 406 H</b>	<b>Bridge panel for 10 indications 3 TTY inputs, 3 TTY outputs, 9 relay outputs</b>
<b>AHD 406 - 2</b>	<b>Serial receiver for alarm display.</b>

Test Standard **Guidelines for the Performance of Type Approvals, 2003.**

Documents **Aqua Signal QTR F12  
Atlas Elektronik 25/3/93  
Böning 99/00001 to 99/00014 dated 10.06.99 to 30.06.99  
EMV-Services 07/7100-1, dated 2007-07-13**

Remarks **None.**

Valid until **2015-04-04**

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File No. **I.A.03**

**Hamburg, 2010-04-01**

Type Approval Symbol



**Germanischer Lloyd**

Marco Rinkel

Jens Dietrich

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