



# Marine Design Appraisal Document

Lloyd's Register EMEA  
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Date  
13 March 2007  
  
Quote this reference on all future communications  
HPC 0620529/16688-07/TW/WR

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2002  
ISSUED TO: BÖNING AUTOMATIONSTECHNOLOGIE GMBH & CO. KG  
FOR: ALARM OR SAFETY SYSTEM AHD 414A  
TYPE APPROVAL CERTIFICATE NO. 01/20028 (E1)**

The additional undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

Form LR6606                      Approval Services Request for Quotation                      04.12.2006

### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## Type Approval Certificate Extension

This is to certify that Certificate No. 01/20028 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Böning Automationstechnologie GmbH & Co. KG
<b>PLACE OF PRODUCTION</b>	Am Steenöver 4 27777 Ganderkesee Germany
<b>DESCRIPTION</b>	Alarm or Safety System
<b>TYPE</b>	AHD 414A
<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 1996.
<b>DESIGN CODE</b>	Manufacturer's specification
<b>OTHER CONDITIONS</b>	Plans of the arrangement for Lloyd's Register classed vessels are to be approved in accordance with the relevant Lloyd's Register Rules and Regulations.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. ETS 16688-07 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 01/20028 to which this extension should be attached.

<b>Certificate No.</b>	01/20028 (E1)
<b>Issue Date</b>	13 March 2007
<b>Expiry Date</b>	18 June 2011
<b>Sheet</b>	1 of 1



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Part 3

Alarm and Monitoring Systems

Producer/Licence No.	Item Description	Technical Details	Category/Additional Tests	Remarks	Cert. No.
Böning Automationstechnologie GmbH & Co. KG Am Steenöver 4 27777 Gandersesee Germany	Alarm or Safety System Type AHD 414A	Power supply (Vdc): 24	ENV1 ENV2 ENV3 (1996)	Expires: 04 June 2011	01/20028 (E1)

7W13.3.7