



Lloyd's  
Register

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 03/20087 (E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER** UAD Service + Vertriebs UG (hb)

**PLACE OF PRODUCTION** Alter Hafen Nord 216  
18069 Rostock  
Germany

**DESCRIPTION** Magnet Level Switch

**TYPE** UAD LSA①  
①: Type of Level Switch: 1, 2, 3, 4

UAD LSA①-②  
①: Type of Level Switch: 1, 2, 3, 4  
②: Bend Float Unit: g  
or Protection Bellow: SB1 or SB2  
or ATEX Approval: Ex d

UAD LSA①-②-③  
①: Type of Level Switch: 1, 2, 3, 4  
②: Bend Float Unit: g  
or Protection Bellow: SB1 or SB2  
③: ATEX Approval: Ex d

**APPLICATION** Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2, as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.

**Certificate No.** 03/20087 (E3)

**Issue Date** 18 June 2014

**Expiry Date** 01 December 2018

**Sheet** 1 of 2

Thorsten Wolff  
Hamburg Technical Support Office  
Lloyd's Register EMEA

*Lloyd's Register EMEA*  
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA  
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



**RATINGS**

Material housing: RG5 or RG10

Material number of oval floating ball 65x120mm: 1.4571

Rated pressure: 42 bar

Switch: micro switch Cherry, Type D43x, D44x, D45x with change over contact

Contact rating: D43x: 250VAC / max. 6A, 2A at motor load

D44x: 250VAC / max. 10A, 3A at motor load

D45x: 250VAC / max. 16A, 7A at motor load

**ADDITIONAL TESTS**

For LSA 1: Shock test (500m/s<sup>2</sup> and 1000m/s<sup>2</sup> / half-sine / 6ms)

IP X8 (11m) test

**DESIGN CODE**

Manufacturer's specification

**OTHER CONDITIONS**

Ex-Certification for Magnet Level Switches Type LSA...-Exd

Certificate Number IBExU13ATEX1069 X

IBExU13ATEX KB02

Certified

EX II 2G Ex d IIC T6 Gb

Ratings and conditions for application in hazardous areas are to be obtained from the applicable Ex-Certificate.

*"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. HTS/ETS 29837-14 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 03/20087 (E2) to which this extension should be attached.

**Certificate No.** 03/20087 (E3)

**Issue Date** 18 June 2014

**Expiry Date** 01 December 2018

**Sheet** 2 of 2

Thorsten Wolff

Hamburg Technical Support Office  
Lloyd's Register EMEA

Lloyd's Register EMEA  
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA  
Is a subsidiary of Lloyd's Register Group