



TYPE APPROVAL CERTIFICATE
No. ELE232017XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Level switch
<i>Type</i>	LSA-series
<i>Applicant</i>	UAD Service + Vertriebs UG (hb) Alter Hafen Nord 216 18069 Rostock GERMANY
<i>Manufacturer</i>	UAD Service + Vertriebs UG (hb)
<i>Place of manufacture</i>	Alter Hafen Nord 216 18069 Rostock GERMANY
<i>Reference standards</i>	RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1

Issued in **HAMBURG** on **August 21, 2017**. This Certificate is valid until **August 20, 2022**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure



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LSA-series

Product description:

The **LSA series** are float operated magnetic level switches for top or side mounting on tanks.

Order code: **LSA aa.bb.cc.dd**

aa - Type: 10; 11; 20; 21; 30; 40

bb - Float type: 01; 02; 03; 04; 05; 06

cc - Cable gland type: 01; 02; 03

dd - Cable length*: 00; 03; 05; 10; with ... m cable ??

* Cables to be type approved

Main characteristics:

Contacts:	250V AC/6A or 24V DC/2A
Housing material:	RG5 or RG10
Degree of protection:	IPX8 (11mm)
Bended linkage:	max 700mm length
Bellow type:	SB1, SB2

Documents :

- User manual dated 08-2017

Test reports:

IBExU Institut für Sicherheitstechnik GmbH:

- IBExU13ATEX1069X dated 28 November 2013;

- IBExU16ATEXKB01 Issue 0 dated 2016-12-05;

W+Z Mess- u. Prüftechnik GmbH: - L965 dated 12.06.02; L1237 dated 30.09.2003;

- L1251A dated 01.10.2003; L1251B dated 30.09.2003; L1334 dated 10.02.2004;

- L5344 dated 21.11.2013;

Remarks:

- The products fulfill EC-Code: **EC31**.

- Side mounting variant may not be used for flammable oil tanks in passenger ships because penetration below tank top would be necessary.

HAMBURG August 21, 2017

