



Lloyd's
Register

Type Approval Certificate

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

This certificate is issued to:

PRODUCER

Barksdale GmbH
Dorn-Assenheimer Str. 27
61203 Reichelsheim
Germany

DESCRIPTION

Float switch

TYPE

UNS1000-S-VA/①-②-③-④/⑤-⑥
UNS-S-VA/①-②-VA27-④/⑤-⑥
UNS90-S-VA/①-②-VA27-④/⑤-⑥
Bilge Guard-S-VA/PG-VA27/⑤-⑥

UNS2000-S-VA/①-②-③-④/⑤-⑥
UNS-S-VA/①-②-③-④/⑤-⑥
UNS90-S-VA/①-②-③-④/⑤-⑥

①=Process connection

②=Electrical connection: K, PG, ST1, ST2, KLS1, KLS2, KX4, KX8

③=Float type: BN30, VA44, VA52, VA27

④=Number of switchpoints: L1, Ln (n = max.5)

⑤=Contact mode: NO, NC, WE

⑥=Option: U, Exi

APPLICATION

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 - 2002.

Certificate No.

09/20015 (E2)

Issue Date

12 May 2019

Expiry Date

11 May 2024

Sheet

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LR031.1.2016.06

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS

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Lloyd's
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STANDARD

Manufacturer's specification

RATINGS

Types	Contact rating
UNS1000-S-VA/①-②-③-④/⑤-⑥ UNS-S-VA/①-②-VA27-④/⑤-⑥ UNS90-S-VA/①-②- VA27-④/⑤-⑥ Bilge Guard-S-VA/PG- VA27/⑤-⑥	normally open / normally closed 230 V AC / DC 2 A 40 VA / W
UNS2000-S-VA/①-②-③-④/⑤-⑥ UNS-S-VA/①-②-③-④/⑤-⑥ UNS90-S-VA/①-②-③-④/⑤-⑥	normally open / normally closed 250 V AC / DC 3 A 100 VA / W Change over contact 140 V AC / DC 1 A 60 VA / W

OTHER CONDITIONS

Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

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

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 38173-19 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 09/20015 (E2)

Issue Date 12 May 2019

Expiry Date 11 May 2024

Sheet 2 of 2



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