Certificate No: LR23388779TA
Issue Date: 18/01/2024
Expiry Date: 24/09/2028

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.

Manufacturer	**KSR KUEBLER Niveau-Messtechnik GmbH**
Address	Heinrich-Kuebler-Platz 1, Zwingenberg, 69439, Germany
Type	Recording And Indicating Instruments
Description	Magnetic level indicator BNA-..L/(1)-(2)-(3)-(4)-(5)-(6)-(7)-(8) BNA-..LC/(1)-(2)-(3)-(4)-(5)-(6)-(7)-(8) (1) Magnetic level indicator: BNA (2) Process connection/pressure/flange face: 10-100 (1/2”-4”)/6-400 (class 150-2500)/(3 letters) (3) Level sensor (BLR): MG (4) Distance between flange centre (mm): max. 1000 without extra support (5) Material: V, L (6) Magnetic roller display (BMD) / optional dimensions: MRA, MRF, MRAV, MRFV (7) Magnetic switches/ optional code: BGU-…, BGU-A-…(cable) (8) Float (cylindrical): ZVS…, ZTS… (length)
Trade Name	BNA-L, BNA-LC
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.

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Thorsten Wolff

Electrical & Control - Senior Specialist to
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Specified Standard
AD 2000 W2: 2023-06
DIN EN 13445-1: 2021-12
DIN EN 13480-1: 2017-12
ASME B31.3: 2023-2

Ratings
Bypass tube Ø 40 to 88mm
Switching capacity: 230V AC, 60 VA, 1A
230V DC, 30 W, 0.5A
30V, 100mA (for EX ia application)

Other Conditions
Ratings for application in hazardous areas are to be obtained from the Ex Certificates:
BNA-… IBExU20ATEX1066 X
BLR -… KEMA 01ATEX1052 X / TÜV 13 ATEX 7399 X
BGU-… IBExU18ATEX1108 X / IBExU19ATEX1075 X.

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.

Previous Version: 13/20048 (E2)

The Design Appraisal Document HPC1662147-24/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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