



TYPE APPROVAL CERTIFICATE
No. ELE008224CS

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>	Magnetic level switches
<i>Type</i>	Trimod Besta Level Switches
<i>Applicant</i>	BACHOFEN LTD ACKERSTRASSE 42 CH-8610 USTER SWITZERLAND
<i>Manufacturer</i>	BACHOFEN LTD
<i>Place of manufacture</i>	ACKERSTRASSE 42 CH-8610 USTER SWITZERLAND
<i>Reference standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.

Issued in **Genoa** on **March 1, 2024**. *This Certificate is valid until* **February 28, 2029**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

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No. **ELE008224CS**

Enclosure - Page 1 of 1

Trimod Besta Level Switches

Trimod Besta Series magnetic level switches, comprising:

Switch units type:

A, AA, B, BB, DA, DAA, DB, DBB, U3A, U3AA, U3B, U3BB;

Flange units:

01, 011;

Floating unit types:

04, 041, 090, 091, 092, 093, 095, 140, 141;

Electrical ratings for V15H10TZ100 (silver contact) 250 VAC 5A / 30 VDC 5 A

Electrical ratings for V15-H10-TZ100-A (gold plated contact) 30 VDC 0.3 A

Catalogue: Trimod Besta Level Switches no. LTKEN2210

Dwg. microswitch V15H10-TZ100 rev. A (silver contact)

Dwg. microswitch V15H10-TZ100-A rev. A (gold plated contact)

Electrical ratings for V15H10TZ100 (silver contact) 250 VAC 5A / 30 VDC 5 A

Electrical ratings for V15-H10-TZ100-A (gold plated contact) 30 VDC 0.3 A

Temperature diagrams for switch module types:

A and B doc. 3081-009EN, DA and DB doc. 3081-010EN, U3A and U3B doc. 3081-017EN, P doc. 3081-007EN, M doc. 3081-008EN

Operating instructions Trimod Besta Level Switch types

A and B doc. LTB002X (2023/01), P doc. LTB003X (2020/11), M doc. LTB005X (2020/11)

Honeywell EU-Declaration of Conformity doc. A506 issue 2 (14/06/2017)

Technical files:

PKP-TMB-20.03.00.000 (28.09.2023); PKP-TMB-20.03.01.001 (28.09.2023);

PKP-TMB-20.03.02.001 (28.09.2023); PKP-TMB-20.03.03.001 (28.09.2023);

PKP-TMB-20.03.04.001 (28.09.2023); PKP-TMB-20.03.05.001 (28.09.2023);

PKP-TMB-20.03.06.001 (28.09.2023); PKP-TMB-20.03.07.001 (28.09.2023);

PKP-TMB-20.03.08.001 (28.09.2023); PKP-TMB-20.03.09.001 (28.09.2023);

PKP-TMB-20.03.11.001 (28.09.2023);

Test Report:

ENL Testing Laboratory report no. 20181115.A02.01 (23/08/2018)

ENL Testing Laboratory report no. 3018-95 (30/05/1995)

ENL Testing Laboratory report no. 20141107.A02.01 (30/07/2014)

ENL Testing Laboratory report no. 20141107.A02.02 (30/07/2014)

ENL Testing Laboratory report no. 20231020.A02.01 (23/03/2023)

In-house Test report no. LRS-P05

Reference documents:

Offer 2024/647 accepted on 10/01/2024

TAO APP dated 03/01/2024

<https://leodrawplus.rina.org/projects/42921/detail>

Genoa March 1, 2024