Certificate No: LR26105127TA
Issue Date: 24/06/2026
Expiry Date: 23/06/2031

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	**Bender GmbH & Co. KG**
Address	Londorfer Str. 65, Gruenberg, 35305, Germany
Type	Monitoring System
Description	RCM410-24, RCM425-D-2, RCM425-L-2: Residual current monitor sensitive to AC, pulsed DC RCMB410-24, RCMB425-D-2, RCMB425-L-2: Residual current monitor sensitive to AC, pulsed DC and smooth DC RCMS410-24, RCMS425-D-2, RCMS425-L-2: Residual current monitor sensitive to AC, pulsed DC and smooth DC CTUB-series: AC/DC sensitive measuring current transformers (type B) CTAC-series: Measuring current transformers (type A) CTBC-series: AC/DC sensitive measuring current transformers (type B) Wx-series: Measuring current transformers (type A)
Trade Name	RCM410-24; RCM425-D-2; RCM425-L-2; RCMB410-24; RCMB425-D-2; RCMB425-L-2; RCMS410-24; RCMS425-D-2; RCMS425-L-2 ; CTUB-series; CTAC-series; CTBCseries; Wx-series
Application	Marine, Offshore and Industrial applications for use in environmental categories ENV1, ENV2 and ENV3 (RCMx425-L-2 and RCMx410-24 only), as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – 2024.
Specified Standard	EN IEC 62020-1:2021

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Thorsten Wolff

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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EN IEC 63000:2018
ETSI EN 300 330 V2.1.1 (2017-02)
ETSI EN 301 489-1 V2.2.3 (2019-11)
ETSI EN 301 489-3 V2.3.2 (2023-01)
ETSI EN 301 489-17 V3.2.4 (2020-09)
IACS UR E10 (Rev.10 Aug 2024)

Ratings

Software Version:

	Device-Version	MU	IU
RCM410-24	2.x.y-z	D0852 V2.x.y	-
RCM425-D-2	2.x.y-z	D0852 V2.x.y	D0784 V1.x.y
RCM425-L-2	2.x.y-z	D0852 V2.x.y	-
RCMB410-24	2.x.y-z	D0852 V2.x.y	-
RCMB425-D-2	2.x.y-z	D0852 V2.x.y	D0784 V1.x.y
RCMB425-L-2	2.x.y-z	D0852 V2.x.y	-
RCMS410-24	2.x.y-z	D0797 V2.x.y	
RCMS425-D-2	2.x.y-z	D0797 V2.x.y	D0784 V1.x.y
RCMS425-L-2	2.x.y-z	D0797 V2.x.y	-

Other Conditions

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.

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 Design Appraisal Document TSO-25-036051/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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