



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAE00002SF**  
Revision No:  
**2**

**This is to certify:**  
**that the Electrical Equipment**

with type designation(s)  
**Combi MAR XXXX**

issued to  
**WISKA Hoppmann GmbH**  
**Kaltenkirchen, Germany**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

**Temperature B**  
**Humidity B**  
**Vibration A**

Issued at **Høvik** on **2024-10-10**

for **DNV**

This Certificate is valid until **2029-09-04**.

DNV local unit: **Hamburg**

Approval Engineer: **Uwe Supke**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.



## Product description

Junction Boxes:	Combi MAR 108 76 x 76 x 51 mm Combi MAR 308 85 x 85 x 51 mm Combi MAR 607 110 x 110 x 66 mm Combi MAR 1010 140 x 140 x 81 mm Combi MAR 1210 160 x 140 x 81 mm
Material:	thermoplast polypropylene, thermoplastic elastomere UL94, V0
Ingress protection:	IP66 / IP67
Voltage:	400V/ 690V

## Application/Remarks

Installation instruction of the manufacturer to be followed.

## Type Approval documentation

Test report: Wiska FQ SS PP 07-14: 2014, Paconsult no. 1149-06: 2006

Data sheets Combi Maritim 1010, 308, 607, 108, 1210: 2014

VDE Certificates 40029965, 40042284, 40042712, 40030256, 40043599

## Tests carried out

Applicable tests according to DNV Guideline DNV-CG-0339, Edition August 2021  
EN 60670-1:2005+A1:2013, EN 60670-22:2006

## Marking of product

The products to be marked with:

- Manufacturer name
- Model name
- Power supply ratings
- Degree of protection

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE