



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE00002SG
Revision No:
2

This is to certify:

that the **Electrical Equipment**

with type designation(s)
510, 510/2, 510/3, 510/4

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.

Issued at **Høvik** on **2024-07-03**

This Certificate is valid until **2029-07-02**.

for **DNV**

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 300,000 USD.



Product description

Explosion Protected Junction Box Type: 510, 510/2, 510/3, 510/4
Brass junction box, up to 11 poles
Rated voltage: 690 V
Rated current: 23 A (max. 30 A)
Rated cross-section: 1 mm² - 6 mm²
Degree of protection: IP 56
Temperature range: - 55°C to + 130°C
Degree of explosion protection: II 2 G Ex eb IIC T6..T4 Gb
II 2 D Ex tb IIIC T85°C Db

Application/Limitation

- Manufacturer's installation description, instructions and DNV rules to be followed.
- The information related to Ex certification from recognized test institution is given as information only.
- Applications where Ex certified equipment is required will in general be subject to approval case by case based on documentation as required in DNV rules.

Type Approval documentation

Tests carried out

Applicable tests in accordance with
EN 60079-0:2012 + A11 2013, EN 60079-7:2015, EN 60079-31:2014

Marking of product

The products to be marked with:

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

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