



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00002SM
Revision No:
3

This is to certify:

That the Enclosure for Electrical Equipment

with type designation(s)
Terminal Box, K-series

Issued to

Weidmüller Interface GmbH & Co. KG
Detmold, 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.

Degree of protection IP 66/67
Vibration class A

Issued at **Hamburg** on **2023-09-25**

for **DNV**

This Certificate is valid until **2028-09-24**.

DNV local unit: **Essen**

Approval Engineer: **Dariusz Lesniewski**

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Joannis Papanuskas
Head of Section

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.



Form code: TA 251

Revision: 2022-12

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Product description

Material Aluminum AL-SI 12

Painting as per order

Ingress protection: IP 66/67

Ambient temperature: -60°C to 135°C

Degree of ex-protection (ex-versions):

as per EC-Type Examination Certificates: IBExU12ATEX1144U and IECEx IBE 13.0001U

Types for terminal boxes

(Non-ex-versions):

K0 45 x 50 x 30 mm

K01 64 x 58 x 34 mm

K02 64 x 98 x 34 mm

(Ex- and Non-ex-versions):

K1 70 x 70 x 45 mm

K11 80 x 75 x 57 mm

K2 70 x 100 x 45 mm

K21 80 x 125 x 57 mm

K3 70 x 165 x 45 mm

K31 80 x 175 x 57 mm

K32 80 x 250 x 55 mm

K4 82 x 130 x 72 mm

K41 120 x 122 x 81 mm

K5 130 x 170 x 90 mm

K51 120 x 220 x 81 mm

K52 160 x 160 x 91 mm

K6 160 x 200 x 100 mm

K61 160 x 260 x 91 mm

K7 160 x 350 x 100 mm

K71 230 x 280 x 111 mm

Application/Limitation

Certified cable entries to be used for the ex-protected version.

Cable entries to be selected with respect to the IP protection of the box.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to DNV Rules and Ex-Certification / Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Type Approval documentation

Test report: Weidmüller Central Lab. No LAB21524E, dated 2017-12-15

Test report: Weidmüller Central Lab. No LAB21460E, dated 2017-12-14

Test report: Weidmüller No LAB13937, dated 2006-03-23

Drawing: 339331/05

Type approval assessment report issued at Shanghai on 2023-08-10

Type approval assessment report issued at Essen on 2023-09-22

Tests carried out

Applicable tests according to class guideline DNV-CG-0339, August 2021.

Test according to EN 62208:2012.

Marking of product

The products to be marked with:

- manufacturer name
- model name

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available

- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the 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