



Marine & Offshore

Certificate number: 04880/G0 BV

File number: ACE 15/681/01

Product code: 2661H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*  
**RITTAL GmbH & Co. KG**  
 Herborn - GERMANY

*for the type of product*  
**ENCLOSURES / CABINETS / BOXES (LOW VOLTAGE)**  
 AE, EB, KL and KS series

### Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 01 Apr 2024**

**For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 01 Apr 2019,

Dirk Hoepfner



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=1wft1gojz>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

The **AE, EB, KL** and **KS** series are empty enclosures for wall mounting.

Types/series	Description
<b>AE</b> (AE-EMV, CP-AE, DK-AE)	Single or double door, steel or stainless steel enclosure
<b>EB</b>	Single door, steel or stainless steel enclosure
<b>KL</b>	Terminal box, steel or stainless steel enclosure
<b>KS</b>	Single or double door, plastic enclosures

Degree of protection: IP54, IP55 or IP66.

### 2. DOCUMENTS AND DRAWINGS:

- Rittal catalogue 29
- Catalogue 33 Edition 2011/2012 dated 12.2011

For G0 version:

- Relevant excerpts (AE, EB, KL, KS) from the system manual 35, XWW00114DE1704
- dri1308006en.fm – 1-106; dri1308004en.fm – 1-104; dri1308003en.fm – 1-103; dri1308008en.fm – 1-108

### 3. TEST REPORTS:

- IP testreports: 1206/13, dated 24.01.2014; 1331/14 dated 27.11.2014; 174/14 dated 13.01.2014; 1207/13 dated 24.01.2014

### 4. APPLICATION / LIMITATION:

- 4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships
- 4.2 - The cabinets are intended for installation in enclosed spaces.

### 5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above mentioned products are to be supplied by **RITTAL GmbH & Co. KG** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **RITTAL GmbH & Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

**RITTAL RWG GmbH & Co. KG**  
Auf dem Stützelberg  
35745 Herborn - Germany

**RITTAL RGS GmbH**  
Dietzhölzstrasse  
35713 Eschenburg-Wissenbach - Germany

**For KS series:**  
**AZUR S.A.**  
**BD. Constructorilor 3-5**  
**300571 Timisoara - Romania**

- 5.4 - Equipment is to be supplied with its manual (s) for installation, use and maintenance.

### 6. MARKING OF PRODUCT:

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number

### 7. OTHERS:

- 7.1 - It is the responsibility of **RITTAL GmbH & Co. KG - Germany** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This certificate supersedes the Type Approval Certificate N° 04880/F0 BV issued on 12 Sep 2013 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*