



MARINE DIVISION

Certificate number: 04880/E1 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)

PS 4000 - ES 5000 - EL - KL - KS - AS - EB - AK - AE - VR - AP - VIP 6000.

Requirements:

BV Rules for the Classification of Steel Ships.

This certificate is issued to attest that BUREAU VERITAS 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: 30 May 2013

For BUREAU VERITAS,

At BV HAMBURG, on 28 Oct 2010,

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. 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 Division available on the internet site 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 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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Empty single or double door, steel sheath cabinets or stainless steel cabinets.

-PS 4000 (PS, DK-PS, MC, PS-EMV, PC, IVS)
-ES 5000 (ES, ES-EMV, IVS)
-EL (EL, CP-EL, EL-EMV, DK-EL)
-KL.

Empty single or double door, polyester cabinets.
-KS

Empty single or double door, steel sheath cabinets or stainless steel cabinets.

-AS
-EB
-AK
-AE (AE-EMV, CP-AE, DK-AE)

Empty single door, rack system, steel sheath cabinets.
-VR

Empty console system, steel sheath cabinets or stainless steel cabinets.
-AP

Empty command panel, aluminium cabinets.
-VIP 6000.

2. DOCUMENTS AND DRAWINGS:

As per Rittal catalogue 29.

3. TEST REPORTS:

VDE test reports 6312 dated 01/07/1996.

4. APPLICATION / LIMITATION:

According to BV Rules for the Classification of Steel Ships.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be manufactured, examined and tested by **RITTAL GmbH & Co. KG** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **RITTAL GmbH & Co. KG** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **RITTAL GmbH & Co. KG** has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production sites:

LKH KUNSTSTOFFWERK GmbH & Co.,
KG-Industriestrasse 16,
35708 HAIGER - Germany

RITTAL RGS GmbH
Dietzhölzstrasse
35713 Eschenburg-Wissenbach - Germany

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

RITTAL RGS GmbH
Siegener Strasse 31,
35716 Dietzhölztal-Rittershausen - Germany

RITTAL RGS GmbH & Co.
KG-Daimlerstrasse 14,
57299 Burbach - Germany

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

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Serial number of the units.
- Equipment type number or model identification under which it was type-tested.

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **RITTAL GmbH & Co. KG, Herborn - Germany** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate N° 04880/E0 BV issued on 30/05/2008 by the Society.

*** END OF CERTIFICATE ***