



Marine & Offshore
Division

Certificate number: 09639/D0 BV

File number: ACE 15/681/03

Product code: 2661H

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

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

RITTAL GmbH & Co. KG
- GERMANY

for the type of product

ENCLOSURES / CABINETS / BOXES (LOW VOLTAGE)

Type: TS 8

Requirements:

Bureau Veritas Rules and Regulations for the Classification of Steel Ships.

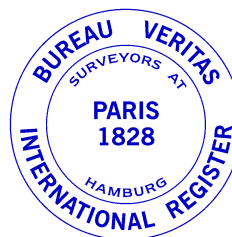
This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 28 Feb 2021

For BUREAU VERITAS,

At BV HAMBURG, on 29 Feb 2016,

Sandro Schmidt



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 & Offshore 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 electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=lsyepaed0e>

BV Mod. Ad.E 530 October 2014

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **TS8** series are steel or stainless steel cabinets.

Construction:

- Multiple folded frame section (hollow section).
- Vertical profile = 16-fold with slot and round holes to facilitate assembly.
- Horizontal profile = 9-fold, with square holes and moulded rain gutter.
- Welded corner connections.
- Screw-fixed roof plate, rear wall and door.
- Single or double door.
- Multiple divided and sliding gland plate.
- Roof tapping screws may be exchanged against transportation eyebolts.
- Side panels screw-fixed (not included in scope of supply).
- Unlimited baying due to baying kit.

Degree of protection: up to IP55.

2. DOCUMENTS AND DRAWINGS:

- Catalogue 2014/2015 E938 dated 10.2014.

3. TEST REPORTS:

Rittal Werk: - 54/99 dated 03.May.99; 69/99 dated 03 May 99.

TÜV: - B 10 07 12010 008 dated 22.July.2010

VDE Testing and Certification Institute: - 9874-1490-1002 dated 1999-04-13

4. APPLICATION / LIMITATION:

- 4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Certification applies to degree of protection only.

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.

5.3 - **RITTAL GmbH & Co. KG** has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

RITTAL GmbH & Co. KG
Auf dem Stützelberg
35745 Herborn
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Equipment type or model identification.

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**, will accept full responsibility for informing shipbuilders, ship owners 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° 09639/C0 BV issued on 2010 by the Society.

*** END OF CERTIFICATE ***