



MARINE DIVISION

Certificate number: 05762/F0 BV

File number: ACE 15/681/02 & ACE
15/241/01

Product code: 2661D

*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
- GERMANY

for the type of product

ENCLOSURES / CABINETS / BOXES (LOW VOLTAGE)

PK series

Requirements:

Bureau Veritas 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: 12 Sep 2018

For BUREAU VERITAS,

At BV HAMBURG, on 12 Sep 2013,

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:

The PK series are small enclosures.

1.1 - Variants:

Order number	Designation	Ui [V]
PK 9530.000; PK 9531.000	Empty enclosures with cable glands	690
PK 95aa.000 with aa = 02, 04 to 24	Empty enclosures with grey cover	690
PK 95aa.100 with aa = 08 to 24	Empty enclosures with transparent cover	690
PK 9500.050; PK 9508.050; PK 9514.050; PK 9521.050	Empty enclosures with metric knockouts	690

Degree of protection: IP65 or IP66.

1.2 - Accessories:

- e.g. DIN rail TS35/7.5; wall mounting brackets; turn-lock fastener; hinges

2. DOCUMENTS AND DRAWINGS:

- According to drawings and specifications filed in ACE 15/681/02.
- Catalogue 33 Enclosures dated 11.2012

3. TEST REPORTS:

- The connection boxes were tested by the Manufacturer.

4. APPLICATION / LIMITATION:

4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships.
4.2 - Degree of protection IP 65 or IP 66 only possible with appropriate cable glands IP65 or IP68.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by RITTAL GmbH & Co. KG in accordance with the type described in this certificate.
5.2 - This type of product is within the category DBV of Bureau Veritas Rule Note NR320.

6. MARKING OF PRODUCT:

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

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 - 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° 05762/E0 BV issued on 30 May 2008 by the Society.

7.3 - This certificate is based to the Type Approval Certificate N° 02869/F0 BV issued to GÜNTHER SPELSBERG GmbH & Co. KG by the Society.

*** END OF CERTIFICATE ***