



Marine & Offshore

Certificate number: 06241/F0 BV

File number: ACE 2/017/10

Product code: 2634H

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

ABB STOTZ-KONTAKT GmbH

Heidelberg - GERMANY

for the type of product

CONTACTORS (LOW VOLTAGE)

Types: B6/B7 - ESB 24/40/63 - EH 04..

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

IEC 60947-1:2014

IEC 60947-4-1:2018

EC Code: 31

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: 17 Mar 2027

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 17 Mar 2022,

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. 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=qj81pkzshn>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Type	Number of poles	Maximum rated voltage	Maximum operating current AC-1	Maximum operating current AC-3	Remarks	
MINI CONTACTORS						
B6	3-4	690V	16A/380V 16A/440V 6A/690V	8A/380 V 8A/440 V 3,5A/690V	Characteristics according to IEC 60947-1 and IEC 60947-4-1.	
B7	3-4	690V	16A/380V 16A/440V 6A/690V	12A/380V 12A/440 V 3,5A/690V		
INSTALLATION CONTACTORS "ESB"						
ESB 24	4	500V	24A	2.2/230 V 4.0/400 V		
ESB 40	4	500V	40A	5.5/230 V 11/400 V		
ESB 63	4	500V	63A	8.5/230 V 15/400 V		
AUXILIARY CONTACT						
EH 04..	2	500V	6A			

Degree of protection: IP20

2. DOCUMENTS AND DRAWINGS:

- Catalogue: 2CDC103013B0202 dated 04/15; 2CDC102055C0201 dated 04/2015;

Note: Documents filed in ACE 02/017/10.

3. TEST REPORTS:

- KEMA: 2037942.50 dated 29-10-2003

Note: Test report filed in ACE 02/017/10.

For F0 version:

- CQC: CN48627 dated Oct. 24, 2019

4. APPLICATION/LIMITATION:

4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships and IEC-standard 60947 series.

4.2 - Bureau Veritas Environmental Category, **EC Code: 31**

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by **ABB STOTZ KONTAKT GmbH** 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 - **ABB STOTZ KONTAKT GmbH** has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

ABB STOTZ KONTAKT GmbH
Eppelheimer Str. 82
69123 Heidelberg
GERMANY

6. MARKING OF PRODUCT:

- According to IEC 60947 specification

7. OTHERS:

7.1 - It is the responsibility of **ABB STOTZ KONTAKT GmbH** 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° 06241/E0 BV issued on 20 Dec 2016 by the Society.

*** END OF CERTIFICATE ***