



Marine & Offshore

Certificate number: 20416/C3 BV

File number: ACE 02/116/01

Product code: 2611H

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

ABB Electrification Sweden AB

Västerås - SWEDEN

for the type of product

PUSH BUTTONS (LOW VOLTAGE)

Type: P9.

Requirements:

BV Rules for the Classification of Steel Ships.
IEC 60947-5-1 (2016)

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: 22 Oct 2023**For Bureau Veritas Marine & Offshore,**

At BV KATOWICE, on 22 Mar 2021,

Wojciech Lubojanski



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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Product Type	Rated voltage Ue (V)	Maximum operating current Ie (A)	Remarks
PUSH BUTTONS P9	220	3	Rated thermal current 10A.
	600	1, 2	

2. DOCUMENTS AND DRAWINGS:

Specification filed in ACE 02/116/01.

General Catalogue Controls and Power Electronics Ref. 1SFC151007C0201, Rev. B, dated Apr 2020.

3. TEST REPORTS:

EMIT test report N° 0016-PG-96 dated 10.05.1996

LAPR test report ref. VARIE-069 dated 31.05.96

IECEE test report N°C009-CB2013CQC-053030, dated 2013.07.16.

4. APPLICATION / LIMITATION:

According to BV Rules for the Classification of Steel Ships and IEC 60947 specifications.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The PUSH BUTTONS (LOW VOLTAGE) are to be supplied by **ABB Electrification Sweden AB** 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 Electrification Sweden AB** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **ABB Electrification Sweden AB** has declared to Bureau Veritas the following production sites:

ABB INDUSTRIAL SOLUTIONS (KŁODZKO) SP. Z O. O
UL PILSUDSKIEGO 5
57-300 KŁODZKO
POLAND

Ansa Borima Ltd.
East Industrial Zone
5500 Lovech
BULGARIA

6. MARKING OF PRODUCT:

According to IEC 60947 specifications.

7. OTHERS:

7.1 - It is **ABB Electrification Sweden AB**'s responsibility 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° 20416/C2 BV issued on 11 Oct 2019 by the Society.

*** END OF CERTIFICATE ***