



Marine & Offshore

Certificate number: 14097/D0 BV

File number: ACE 02/007/20

Product code: 2631H

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

LEGRAND France

Strasbourg - FRANCE

for the type of product

SWITCHES (LOW VOLTAGE)

ROTARY SWITCHES PR12 / PR17 / PR21 / PR26 / PR40 / PR63

Requirements:

BV Rules for the Classification of Steel Ships.

IEC 60947-3 (2008) + A1 (2012) + A2 (2015)

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 is a renewal of certificate N° 14097/C0 BV expiring on 21/04/2020

This certificate will expire on: 21 Apr 2025

For Bureau Veritas Marine & Offshore,

At BV MULHOUSE, on 11 Mar 2020,

Anthony Kinnen



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 model or type designation:

Type: PR 12, PR 17, PR 21, PR 26, PR 40, PR 63.

Product description:

Rotary switches

	Maximum operating current (Amperes)	Rated voltage (volt)
PR 12	12	500 AC.
PR 17	20	690 AC.
PR 21	25	690 AC.
PR 26	32	690 AC.
PR 40	50	690 AC.
PR 63	63	690 AC.

2. DOCUMENTS AND DRAWINGS :

LEGRAND's catalogue 2019-2020.

BACO's catalogue dated 31 Jan 2020.

3. TEST REPORTS :

According to LEGRAND test reports N°s:

- BV MLH 2121800 dated 28.01.2010.
- BV MLH 11960035G.R.AK/MG.
- BV 195001/B dated 21.12.1994.
- BVN 207 031/J dated 09.07.1998.

The above tests were witnessed by a Society's Surveyor.

IEC:

- IEC EE CB Scheme No. FR 679906 (BACO) according to IEC 60947-3, dated 2015-12-17
- IEC EE CB Scheme No. FR 679907 (LEGRAND) according to IEC 60947-3, dated 2015-12-17

Legrand:

- Test report No.1105 RE 764 according to IEC 60947-3, dated 2015-03-06, witnessed by Bureau Veritas.

4. APPLICATION / LIMITATION :

4.1 - BV Rules for the Classification of Steel Ships.

4.2 - Approval also valid for ships to be granted with notation: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **LEGRAND France** 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 - **LEGRAND France** 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, **LEGRAND France** has declared to Bureau Veritas the following production site:

LEGRAND France
290 Avenue de Colmar
67100 Strasbourg
FRANCE

6. MARKING OF PRODUCT :

According to IEC 60947-3.

Trademark: **LEGRAND** or **BACO**.

7. OTHERS :

7.1 - It is **LEGRAND France**'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 No. 14097/C0 BV issued on 21 Apr 2015 by the Society.

*** END OF CERTIFICATE ***