



Marine & Offshore

Certificate number: 43636/B0 BV

File number: AP 4659

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

SOCOMEC

Benfeld - FRANCE

for the type of product

SWITCHES (LOW VOLTAGE)

SIRCOVER AC & ATyS

Manual and motorised changeover switches from 125A to 3200A

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
IEC 60947-1 (2014), IEC 60947-6 (2003) + A1 (2013).

EC Code: 41

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: 20 May 2026

For Bureau Veritas Marine & Offshore,

At BV MULHOUSE, on 20 May 2021,

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:

- **ATyS & SIRCOVER AC** rating : 125A to 3200A

Product description:

- **ATyS** are motorised and automatic changeover switches.

- **SIRCOVER AC** are manual multipolar changeover switches with positive break indication.

1.1 - Features SIRCOVER AC:

Name	Product Type	Number of Poles	Rated Voltage Max. (V)	Current rating (A)	Remarks
SIRCOVER AC	41AC3xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	41AC4xxx	4	415		

1.2 - Features ATyS:

Name	Product Type	Number of Poles	Rated Voltage Max. (V)	Current rating (A)	Remarks
ATyS / ATyS r	95233xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	95234xxx	4	415		
ATyS d	95333xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	95334xxx	4	415		
ATyS t	95433xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	95434xxx	4	415		
ATyS g	95533xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	95534xxx	4	415		
ATyS p	95733xxx	3	415	125 to 3200	Characteristics as per IEC 60947-1 & -6
	95734xxx	4	415		

Type

- 2: ATyS Remote Transfer Switch
- 3: ATyS d Remote Transfer Switch (RTS) - ATyS with dual power supply
- 4: ATyS t Automatic Transfer Switch (ATS) - ATyS d with automatic controller to manage transformer for transformer applications
- 5: ATyS g Automatic Transfer Switch (ATS) - ATyS t with automatic controller to manage transformer for genset application
- 7: ATyS p Automatic Transfer Switch (ATS) - ATyS g with functions for energy management with communication options

1.3 - Firmware/software versions - ATyS p:

- Firmware version: 1.7.0.91

- Software version: 1.10.0

2. DOCUMENTS AND DRAWINGS:

Socomec:

- DIV 15 77789_Pages catalogue SIRCOVER_en, dated 2015-03-16
- DIV 15 77790_Pages catalogue ATyS_en, dated 2015-03-16
- DIV 15 77772 - Product characteristics, dated 2015-03-16
- LST 15 77799 - BOM ATyS 125A, dated 2019-10-31
- LST 15 77798 - BOM ATyS 3200A, dated 2019-11-26
- LST 15 77796 - BOM SIRCOVER 125A, dated 2015-03-17
- LST 15 77797 - BOM SIRCOVER 3200A, dated 2015-03-17
- DIV 15 77924 - Product Plan_ATyS et SIRCOVER AC, dated 2015-03-25
- INT 15 77792 - Manufacture Letter ATyS, dated 2015-03-16
- INT 15 77791 - Manufacture Letter SIRCOVER_en, dated 2015-03-16
- LST 15 77793_Manufacturer, dated 2015-03-16
- 880169I - Software documentation, dated 2019-09-19
- LST 21 112180 - List of standards ATyS_SIRCOVER, dated 2021-03-03
- DIV 15 77832 - Test program, dated 2015-03-18
- INT 19 103886 - Amdec produit PE200.1, dated 2019-10-10
- DIV 21 111743 - Test program ATyS-SIRCOVER, dated 2021-03-24

3. TEST REPORTS:**Pierre SIAT:**

- LOVAG Test report according to IEC 60947-6-1 No. H01.15.07, dated Jan 15, 2015
- LOVAG Test report according to IEC 60947-6-1 No. H01.15.08, dated Jan 15, 2015
- LOVAG Test report according to IEC 60947-6-1 No. H01.15.09, dated Jan 15, 2015
- LOVAG Test report according to IEC 60947-6-1 No. H01.15.10, dated Jan 15, 2015
- LOVAG Test report according to IEC 60947-6-1 No. H01.15.11, dated Jan 15, 2015
- Environmental test report No. TR 15212 CPR, witnessed by Bureau Veritas on Oct 5, 2015

LCIE:

- EMC Test report according No. 138645-679363-A Ver.01, dated Dec 18, 2015
- EMC Test report according No. 138645-679363-B Ver.01, dated Dec 18, 2015
- EMC Test report according No. 171587-762544-A Ver.01, dated Mar 18, 2021
- EMC Test report according No. 171587-762544-B Ver.01, dated Mar 18, 2021

Tesla Power Lab:

- Test report No. IR 19100, dated 01 Mar 2018.
- Test report No. IR 19212, dated 28 May 2019.
- Test report No. TR 21104, dated 24 Mar 2021.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - BUREAU VERITAS Environmental Category, **EC Code: 41**
- 4.4 - The equipment fulfils the EMC requirements for installation in General Power Distribution Zone.
- 4.5 - As per requirements of Regulations stated on front page of the Certificate.
- 4.6 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev 7.

5. PRODUCTION SURVEY REQUIREMENTS:

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

SOCOME C
1 Rue de Westhouse,
B.P. 10
F-67230 Benfeld
FRANCE

6. MARKING OF PRODUCT:

According to IEC 60947 specifications.

7. OTHERS:

- 7.1 - It is **SOCOME C**'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° 43636/A1 BV issued on 23 Jan 2020 by the Society.

*** END OF CERTIFICATE ***