



Marine & Offshore
Division

Certificate number: 39455/A0 BV

File number: AP 4573

Product code: 2635H

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

SOCOMEK

Benfeld - FRANCE

for the type of product

DISCONNECTORS (LOW VOLTAGE)

SIRCO & SIRCO AC

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 31

IEC 60947-1 (2014), IEC 60947-3 (2008) + A1 (2012)

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: 19 Feb 2020

For BUREAU VERITAS,

At BV MULHOUSE, on 19 Feb 2015,

Alain 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. 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 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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=ykfdzv1xz>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Product Model or type designation:

- SIRCO rating : 125A to 4000A
- SIRCO AC rating : 200A to 2000A

Product description:

SIRCO make and break under load conditions and provide safety isolation for any low voltage circuit.

PRODUCT TYPE	Number of Poles	Rated Voltage Max. (V)	Current rating (A)	Remarks
26AC3xxx	3	690	200 to 2000	Characteristics as per IEC 60947-3
26AC4xxx	4	690		
26003xxx	3	415	125 to 4000	Characteristics as per IEC 60947-3
26004xxx	4	415		

2. DOCUMENTS AND DRAWINGS:

Socomec:

- INT 14 74594-Catalogue range SIRCO, dated Aug 21, 2014.
- LST 14 74604 - Bill of material SIRCO 125A, dated Aug 21, 2014
- LST 14 74605 - Bill of material SIRCO 4000A, dated Aug 21, 2014
- LST 14 74616 - Bill of material SIRCO AC 200A, dated Aug 21, 2014
- LST 14 74617 - Bill of material SIRCO AC 2000A, dated Aug 21, 2014
- DIV 14 74757 - Test plan SIRCO, dated Aug 25, 2014
- DIV 14 74758 - Test plan SIRCO AC, dated Aug 25, 2014
- DIV 14 74797- Product feature, dated Aug 26, 2014.
- DIV 14 74798 - Overall plan SIRCO, dated Aug 26, 2014
- DIV 14 74799 - Overall plan SIRCO AC, dated Aug 28, 2014
- DIV 14 74800 - Product feature SIRCO AC dated Aug 26, 2014

3. TEST REPORTS:

Pierre SIAT:

- Test report according to IEC 60947-3 No. TR 15006 CPR, witnessed by Bureau Veritas on Jan 23, 2015
- Vibration test report No. TR 15007 CPR, witnessed by Bureau Veritas on Jan 23, 2015
- Climatic test report No. TR 15009 CPR, witnessed by Bureau Veritas on Jan 23, 2015

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: 31**
- 4.4 - As per requirements of Regulations stated on front page of the Certificate.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above products are to be supplied by **SOCOME S.A** 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.
- 5.3 - **SOCOME S.A** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

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

SOCOME C
Naassan (Timelec)
ZI Chebedda - Route de Fouchana Naassen
1135 - NAASSAN BEN AROUS
TUNISIE

6. MARKING OF PRODUCT:

According to IEC 60947 specifications.

7. OTHERS:

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the Switch Disconnectors at any time and that **SOCOMECS.A - France** will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the Equipment and the conditions of this approval.

*** END OF CERTIFICATE ***