



MARINE DIVISION

Certificate number: 03302/G0 BV

File number: ACE 02/003/30

Product code: 2643H

*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*

**Schneider Electric Industries SAS**

Angouleme - FRANCE

*for the type of product*

**CONTROL AUXILIARIES**

Type: XCK -J/L/M

**Requirements:**

BV Rules for the Classification of Steel Ships.  
IEC 60947-5-1 series.

*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: 17 Dec 2017**

For BUREAU VERITAS,

At BV BORDEAUX, on 17 Dec 2012,

Raphael Garnier



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 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 SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

<i>Product type</i>	<i>Number of poles</i>	<i>Rated voltage (V)</i>	<i>Maximum operating current (A)</i>	<i>Breaking capacity (kA)</i>	<i>Remarks</i>
Position switches Interrupteurs de position  X C K - J X C K - L X C K - M		Rated insulating voltage 500 V	Rated thermal current 10 A	See Manufacturer catalogue	Characteristics following:  IEC 60947-5.1  with contacts XE2SP.. or XE2NP..

### 2. DOCUMENTS AND DRAWINGS:

According to documents filed in ACE 02/003/30.

### 3. TEST REPORTS:

- 3.1 - BVN Test report N°: 230 573/BDX/83/1.
- 3.2 - Schneider test reports N°:
  - 3.2.1 - 08-3511 dated 04/Feb./2009
  - 3.2.2 - 07-2637 dated 12/Nov./2007
  - 3.2.3 - 04-2118 dated 02/Sep./2004
  - 3.2.4 - 03-2505 dated 03/Dec./2003
  - 3.2.5 - 03-2506 dated 03/Dec./2003
  - 3.2.6 - 03-2378 dated 02/Dec./2003
  - 3.2.7 - 03-2375 dated 02/Dec./2003
  - 3.2.8 - 03-2376 dated 03/Dec./2003
  - 3.2.9 - 03-1406 dated 30/Jul./2003

### 4. APPLICATION / LIMITATION:

BV Rules for the Classification of Steel Ships.

### 5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The types XCK-J, -L, -M are to be manufactured, examined and tested by **Schneider Electric Industries SAS** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.
- 5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **Schneider Electric Industries SAS** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.
- 5.3 - **Schneider Electric Industries SAS** has declared to Bureau Veritas that the type of product described in this certificate are manufactured at the following production sites:

for devices: XCK-J, -L, -M:

**SCHNEIDER ELECTRIC INDUSTRIES SA**  
Z. I. Nord  
52 Rue de Dion Bouton  
87280 LIMOGES - FRANCE  
&

**PT SCHNEIDER ELECTRIC MANUFACTURING BATAM**  
BATAMINDO INDUSTRIAL PARK  
JL BERINGIN LOT 1  
MUKA KUNING  
BATAM ISLAND  
INDONESIA

**6. MARKING OF PRODUCT:**

- According to IEC 60947 Specifications.
- Trade mark Telemecanique.

**7. OTHERS:**

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **Schneider Electric Industries SAS, France** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 03302/F0 BV issued on 24/03/2009 by the Society.

**\*\*\* END OF CERTIFICATE \*\*\***