



**Certificate number:** 15556/D0 BV

**File number:** ACE 02/003/07

**Product code:** 2659H

*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 - ELECTROPOLE 38EQI**  
EYBENS - FRANCE

*for the type of product*

**MOTOR CONTROL AND PROTECTIVE DEVICES**

Motor Control and protective switching devices - Open version TeSys model U

**Requirements:**

BV Rules for the Classification of Steel Ships.  
IEC 60947-6-2 : 2020

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: 21 Nov 2030**

**For Bureau Veritas Marine & Offshore,**

At BV LYON, on 21 Nov 2025,

Michaël Vavro

***This certificate was created electronically and is valid without signature***



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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 4 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

Motor starters - Open version TeSys model U comprising:

**LUB12, LUB32** - power bases with connection by screw terminals;  
**LUB 120.., LUB 320..** - power bases pre-assembled without connections;  
**LU2B 12.., LU2B 32..** - reversing power bases pre-assembled with connection by screw terminals;  
**LU2B A0.., LU2B B0..** - reversing power bases pre-assembled without connections;  
**LU2M 32.., LU6M 32..** - reverser blocks with connection by screw terminals;  
**LU2M B0.., LU6M B0..** - reverser blocks without connections;  
**LUF V2** - motor load indication function module;  
**ASILUF C5 and C51** - AS-Interface communication modules;  
**LUL C033** - Modbus communication module;  
**LU9 GC3** - Modbus hub;  
**LUF C00** - parallel wiring module;  
**LU9 G02** - splitter box;  
**LUCA...** - standard control units;  
**LUCB...** - advanced control units, tripping class 10, 3-phase motors;  
**LUCL...** - magnetic control units ;  
**LUCC...** - advanced control units, tripping class 10, single-phase motors;  
**LUCD...** - advanced control units, tripping class 20, 3-phase motors;  
**LU9B N11** - screw terminals for LUB 120 or LUB 320;  
**LU9 M1** - control block for LU2B A0.., LU2B B0.., LU2M B0.. or LU6M B0..;  
**LU9M R1** - control block for LU6M B0..;  
**LU9M R1C** - pre-wired connector for LUB 120 or LUB 320 with LU2M B0;  
**LU9B N11C** - pre-wired coil connection for LUB 120 or LUB 320;  
**LU9M RC** - pre-wired coil connection for LU2B A0.. or LU2B B0..;  
**LUA LB1 + LUA LF1** - limiter block + fuses;  
**LUA LB10** - isolator block;

### 2. DOCUMENTS AND DRAWINGS:

Schneider Electric - TeSys U Starter-controller Catalogue - October 2008 - ref. DIA1ED2081003EN.

Explanations on differences between LUCB and LUCD, between LUCB and LUCC and between LUCB and LUCL for existing ones.

### 3. TEST REPORTS:

Schneider Electric EMC test reports N°s:

- CEMG040046-01, CEMG040046-02, CEMG040046-03, CEMG040046-04, CEMG040046-05, CEMG040046-06, CEMG040046-07, CEMG040046-08, CEMG040046-09, CEMG040046-10, CEMG040046-11, CEMG040046-12, CEMG040046-13, CEMG040046-14, CEMG040046-15 issued on 27.10.2004.
- CEMG040040-01, CEMG040040-02, CEMG040040-03, CEMG040040-04, CEMG040040-05, CEMG040040-06, CEMG040040-07, CEMG040040-08, CEMG040040-09, CEMG040040-10, CEMG040040-11, CEMG040040-12, CEMG040040-13, CEMG040040-14, CEMG040040-15 issued on 15.11.2004 and 16.12.2004.
- CEMG040039-01, CEMG040039-02, CEMG040039-03, CEMG040039-04, CEMG040039-05, CEMG040039-06, CEMG040039-07, CEMG040039-08, CEMG040039-09 issued on 27.10.2004, 28.10.2004 and 29.10.2004.

Amplitude - Schneider Electric test reports (tests acc. to IACS E10) N°s:

- 123-02, 126-02, 328-01, 329-01, 376-02, 386-02, 394-02, 508-02, 589-02, 590-02, 591-02 issued on 13.12.2004.

Schneider Electric climatic test reports N°s:

- CLIM030004-1a, CLIM030005-1a, CLIM030006-1a, CLIM030007-1a, CLIM030008-1a, CLIM030009-1a, CLIM030004-2a, CLIM030005-2a, CLIM030006-2a, CLIM030007-2a, CLIM030008-2a, CLIM030009-2a, CLIM030004-3a, CLIM030005-3a, CLIM030006-3a, CLIM030007-3a, CLIM030008-3a, CLIM030009-3a, issued on 14.05.2004, 27.03.2003 and 18.05.2004.

Schneider Electric mechanical test reports N°s:

- VIBR030056-a, G0211162-a, G0211163-a, G0211164-a, G0211165-a, G0211166-a issued on 18.05.2004

Amplitude-Schneider Electric inclination and power supply variations test reports N°s:

- 0155-03 and 0156-03.

Shanghai Testing & Inspection Institute for Electrical Equipment (STIEE) test reports N° AT101158 dated on July 2012.

ASEFA Certificates of conformity N°s:

- 166-04BT, 167-04BT, 168-04BT, 169-04BT, 063-12BT, 064-12BT, 065-12BT, 066-12BT, 067-12BT, 068-12BT, 069-12BT, 070-12BT, 071-12BT, 072-12BT, 073-12BT, 074-12BT, 075-12BT, 076-12BT, 077-12BT, 078-12BT, 079-12BT, 080-12BT, 081-12BT, 082-12BT, 083-12BT, 084-12BT, 085-12BT, 086-12BT, 087-12BT, 088-12BT, 089-12BT, 090-12BT.

#### **LCIE-Laboratoire Central des Industries Electriques**

- CB Test Certificate N° FR719140 dated 21/05/2024.
- Test Report N°1722\_1 dated 15/04/2024.
- Test Report N°1722\_2 dated 15/04/2024.

#### **VOLTA Centre d'essais-Station d'essais à grande puissance**

- Test Report N°SPEC22AA6891 dated 15/12/2023.
- Test Report N°SPEC22AA6896 dated 07/09/2023.
- Test Report N°SPEC22AA6897 dated 07/09/2023.
- Test Report N°SPEC23AC3219 dated 23/11/2023.
- Test Report N° SPEC23AC4177 dated 30/11/2023.
- Test Report N° SPEC23AC4185 dated 30/11/2023.
- Test Report N° SPEC23AC4186 dated 30/11/2023.

#### **Laboratoire Central Industrie Electrique Sud-Est -Moirans**

- Test Report N°17719329-785823-B dated 29/09/2023.
- Test Report N°17719329-785823-D dated 29/09/2023.
- Test Report N°17719329-785823-F dated 29/09/2023.
- Test Report N°17719329-785823-H dated 29/09/2023.
- Test Report N°17719329-785823-J dated 29/09/2023.

#### **4. APPLICATION / LIMITATION:**

- 4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships.
- 4.2 - BUREAU VERITAS Environmental Category, **EC Code: 41**
- 4.3 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev 9.

#### **5. PRODUCTION SURVEY REQUIREMENTS:**

- 5.1 - The above products are to be supplied by **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** 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 - **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** 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, **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** has declared to Bureau Veritas the following production sites:

**Schneider Electric France  
Zone Industrielle des Agriers  
16021 Angoulême  
FRANCE**

**Schneider Electric Industries S.A.  
ZAC Le Village  
2 rue du Pont Vert  
27100 Le Vaudreuil  
FRANCE**

**Schneider Electric Industrias Electronicas Pacifico SA  
Boulevard Apodaca #100  
Parque Industrial Apodaca  
Technology Park  
66600 APODACA NUEVO LEON  
MEXICO  
Schneider Electric, a.s.  
Cizovska 447  
397 01 Pisek  
CZECH REPUBLIC**

#### **6. MARKING OF PRODUCT:**

According to IEC 60947-6-2.

#### **7. OTHERS:**

- 7.1 - It is **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI**'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° 15556/C1 BV issued by the Society.

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