



Certificate number: TA 82986/A0 EU-MR BV

File number: MPA2401121

Product code: EUMR46

This certificate is not valid when presented without the full attached Design Evaluation Attestation

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EUROPEAN UNION RECOGNISED ORGANISATION (EU RO) MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

In accordance with Article 10.1 of EU Regulation 391/2009

This certificate is issued to

SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI

31 RUE PIERRE MENDES FRANCE
38320 EYBENS
FRANCE

for the type of product

CONTROL AND PROTECTIVE SWITCHING DEVICES

CONTROL AND PROTECTIVE SWITCHING DEVICES

TeSys U / Motor Starters

Requirements:

EU RO Terms and Conditions

EU RO Mutual Recognition Procedure for Type Approval

EU RO Mutual Recognition Technical Requirements - Control and Protective Switching Devices - Version 0.4 - 2025-01-01

IACS UR E10 rev.9

IEC 60947-1: 2020, IEC 60947-6-2:2020

This is to certify to the manufacturer named above, that the Product referred to herein has been inspected for the manufacturer, pursuant to the relevant requirements of the European Union Recognized Organisation Mutual Recognition Procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements. The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

This certificate will expire on: 02 Jun 2030

For Bureau Veritas Marine & Offshore,

At BV LYON, on 28 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 requirements 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 requirements 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.

DESIGN EVALUATION

The design evaluation scheme was satisfactorily completed for the concerned product. The following design evaluation attestation gives necessary details and forms part of this certificate:

Attestation number : DE 77365/A0 EU-MR BV
 Issued on : 02 Jun 2025
 Expires on : 02 Jun 2030

PRODUCTION QUALITY ASSURANCE

The following places of manufacture have been assessed in compliance with the production quality assurance scheme:

Assessment number	Expires on	Place of manufacture
PQA/00341/A.0	02 Jun 2030	Schneider Electric France (Le Vaudreuil - FRANCE)
PQA/00361/A.0	02 Jun 2030	Schneider Electric France (Angouleme - FRANCE)
PQA/00381/A.0	02 Jun 2030	Schneider Electric, a.s. (Pisek - CZECH REPUBLIC)
PQA/00401/A.0	02 Jun 2030	Schneider Electric - Industrias Electronicas Pacifico (Apodaca, Nuevo Leon - MEXICO)

APPLICATION / LIMITATION

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNV;
- Indian Register of Shipping (IRS);
- Korean Register (KR);
- Lloyd's Register Group Ltd. (LR);
- Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
- Polish Register of Shipping (PRS);
- RINA Services S.p.A. (RINA);

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

*** END OF PAGE ***



Marine & Offshore

Attestation number: DE 77365/A0 EU-MR BV

File number: MPA2401121

Product code: EUMR46

*This attestation is not valid when presented without the full
attached schedule composed of 7 sections*

ATTESTATION OF DESIGN EVALUATION

This attestation is issued to

SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI

31 RUE PIERRE MENDES FRANCE

38320 EYBENS

FRANCE

for the type of product

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Requirements:

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IACS UR E10 rev.9

IEC 60947-1: 2020, IEC 60947-6-2:2020

This is to attest that Bureau Veritas Marine & Offshore did undertake the relevant design evaluation procedure for the product identified above which was found to comply with the applicable design evaluation requirements mentioned above.

This attestation is an intermediate document issued within the scope of a type approval procedure and does not constitute by itself a type approval document. The relevant type approval procedure needs to be satisfactorily completed where a type approval certificate is required for the placing of the product(s) on board vessels to be classed with Bureau Veritas Marine & Offshore.

This attestation will expire on: 02 Jun 2030

For Bureau Veritas Marine & Offshore,

At BV LYON, on 02 Jun 2025,

Michaël Vavro

This attestation was created electronically and is valid without signature



This attestation 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 attestation will not be valid if the applicant makes any changes or modifications to the evaluated product design, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified design evaluation requirements be amended during the validity of this attestation, the product(s) design is to be re-evaluated within the scope of the applicable type approval procedure prior to the placing of the product(s) on board vessels to which the amended requirements apply. This attestation 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.

1. PRODUCT DESCRIPTION:

Motor starters - Open version TeSys model U comprising:

TeSys Control range, Ultra motor starters:

LUB12, LUB32 - power bases with connection by screw terminals;

LUB120, LUB320 - power bases pre-assembled without connections;

LU2B12xx, LU2B32xx - reversing power bases pre-assembled with connection by screw terminals;

LU2BA0xx, LU2BB0xx - reversing power bases pre-assembled without connections;

LU2MB0xx, LU6MB0xx - reverser blocks without connections;

where **xx** can be BL, B, FU, ES

BL: 24VDC

B: 24VAC

FU: 110-240VAC/DC

ES: 48-72VAC/DC

		Ue			
		230V	400V	440V	690V
LUB12 LUB120 LU2B12 LU2BA0	Ith	12A			
	Ie (AC-3 & AC-3e)	12A			
	Ie (AC-4)	12A			
	Ics=Icu	50kA			4kA
	Icr	360A			
	Ir	1kA			
LUB32 LUB320 LU2B32 LU2BB0	Ith	32A*			
	Ie (AC-3 & AC-3e)	28.5A*			21A
	Ie (AC-4)	28.5A*			21A
	Ics=Icu	50kA			4kA
	Icr	855A			720A
	Ir	3kA			

* Restricted to CPS devices where the whose main contacts of which are intended to be connected to circuits with a of rated voltage not exceeding 1000V a.c or 1500V d.c. and with rated current less than 25A.

Control units:

LUCAyxxx - standard control units;

LUCByxxx - advanced control units, tripping class 10, 3-phase motors;

LUCLyxxx - magnetic control units ;

LUCCyxxx - advanced control units, tripping class 10, single-phase motors;

LUCDyxxx - advanced control units, tripping class 20, 3-phase motors;

where yy can be X6, 1X, 05, 12, 18, 32

X6: 0.15A to 0.6A

1X: 0.35A to 1.4A

05: 1.25A to 5A

12: 3A to 12A

18: 4.5A to 18A

32: 8A to 32A

where xx can be BL, B, FU, ES

BL: 24VDC

B: 24VAC

FU: 110-240VAC/DC

ES: 48-72VAC/DC

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;

LU9B N11 - screw terminals for LUB120;

LU9 M1 - control block for LU2BA0, LU2MB0 or LU6M B0;

LU9M R1 - control block for LU6MB0;

LU9M R1C - pre-wired connector for LUB120 with LU2M B0;

LU9B N11C - pre-wired coil connection for LUB120;

LU9M RC - pre-wired coil connection for LU2BA0;
LUA LB1 + LUA LF1 - limiter block + fuses;

2. DOCUMENTS AND DRAWINGS:

Catalogue N° DIA1ED1080315EN, dated Mar 2008.

Exploded views rev.V1, dated 14 Jan 2025.

Explanations on differences between LUCB and LUCD, between LUCB and LUCC and between LUCB and LUCL for existing ones rev.V5, dated 14 Jan 2025.

Clarifications V3, dated 04 Apr 2025.

3. TEST REPORTS:

LCIE-Laboratoire Central des Industries Electriques:

- CB Test Certificate N° FR_719140, dated 21 May 2024.

- Test Report N° 17226512-784382A, dated 09 Apr 2024.

- Test Report N° 17226512-784382B, dated 09 Apr 2024.

VOLTA Centre d'essais-Station d'essais à grande puissance:

- Test Report N° SPEC22AA6891_V1, dated 15 Dec 2023.

- Test Report N° SPEC22AA6896_v1, dated 07 Sep 2023.

- Test Report N° SPEC22AA6897_v1, dated 07 Sep 2023.

- Test Report N° SPEC23AC3219_v1, dated 17 Nov 2023.

- Test Report N° SPEC23AC4177_v1, dated 01 Dec 2023.

- Test Report N° SPEC23AC4185_v1, dated 01 Dec 2023.

- Test Report N° SPEC23AC4186_v1, dated 01 Dec 2023.

Laboratoire Central Industrie Electrique Sud-Est -Moirans:

- Test Report N° 17719329-785823-B, ver.02, dated 29 Sep 2023.

- Test Report N° 17719329-785823-D, ver.02, dated 29 Sep 2023.

- Test Report N° 17719329-785823-F, ver.03, dated 29 Sep 2023.

- Test Report N° 17719329-785823-H, ver.02, dated 29 Sep 2023.

- Test Report N° 17719329-785823-J, ver.02, dated 29 Sep 2023.

4. APPLICATION / LIMITATION:

4.1 - As per requirements stated on front page of this document. In particular, application limitations and specifications on intended use apply as defined in paragraphs 1.b and 1.c of the applicable EU RO Mutual Recognition Technical Requirements

4.2 - **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** must inform Bureau Veritas of any modifications of this design, which must receive additional approval where such changes may affect compliance with the requirements or the prescribed conditions for use of the product.

4.3 - Environmental test parameters:

- Vibration: $\pm 1\text{mm} / 0.7\text{g}$

- EMC: General power distribution zone

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** must comply with the EU RO Production Quality Assurance procedure in order to finalise the EU RO Mutual Recognition Type Approval procedure.

5.2 - Restricted to CPS devices where the whose main contacts which are intended to be connected to circuits with a rated voltage not exceeding 1000V a.c or 1500V d.c. and with rated current less than 25 A.

5.3 - Installation on board ships within locations with environmental conditions not exceeding those for which the equipment has been type tested.

5.4 - **SCHNEIDER ELECTRIC INDUSTRIES SAS - ELECTROPOLE 38EQI** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production sites:

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

**Schneider Electric France
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:

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.

*** END OF ATTESTATION ***