



CERTIFICATE NUMBER 22-2253899-PDA

EFFECTIVE DATE 11-May-2022

EXPIRATION DATE 10-May-2027

ABS TECHNICAL OFFICE Genoa Engineering Department

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## CERTIFICATE OF

# Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**SCHNEIDER ELECTRIC INDUSTRIES SAS**

located at

**31 RUE PIERRE MENDES FRANCE, EYBENS, GRENOBLE CEDEX  
9, France, 38050**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product** Contactor, Electrical

**Model** TeSys Model D: LC1/LC2-D115 or D150

This Product Design Assessment (PDA) Certificate remains valid until 10/May/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

*G. Barbini*

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Giorgio Barbini, Principal Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement

**SCHNEIDER ELECTRIC INDUSTRIES SAS**  
31 RUE PIERRE MENDES FRANCE, EYBENS  
GRENOBLE CEDEX 9  
France 38050  
Telephone: +33 (0) 476576060  
Fax: +33 (0) 476394072  
Email: christophe.chabert@se.com  
Web: www.se.com

**Tier: 2 - PDA Issued**

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**Product:**            **Contactors, Electrical**  
**Model:**            **TeSys Model D: LC1/LC2D115 or D150**  
**Endorsements:**

**Intended Service:**  
Control and protection of low voltage electrical equipment

**Description:**  
3 pole contactor range and accessories, comprising of:  
Contactors LC1D115 / LC1D150, ac and dc coils  
Reversing contactors LC2D115 / LC2D150, ac and dc coils  
(Suffix 6: Lug connections, Suffix 3: Spring terminals)  
AC supply: from 24 to 500 VAC, 50/60 Hz  
DC supply: from 42 to 415 VDC

**Rating:**  
Rated Operational Current: 115 or 150 A (AC-3 at 440V ac) / 250A (AC-1)  
Rated Operational Voltage: 1000V ac  
Rated Insulation Voltage: 1000V ac  
Rated Impulse Withstand Voltage: 8 kV  
Frequency range: 25 . . . 400Hz  
Utilisation category: AC1, AC3

**Service Restriction:**  
- Unit Certification is not required for this product.  
- If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.  
- The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

**Comments:**  
The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**  
TeSys D Catalogue Chapter B8 Ed.2020  
TUV IECCE CB Test Certificate No.HU-002614 dated 2019-06-18 in Budapest  
TUV Test Report No.28249868 001 dated 2019-03-29 in Budapest  
TUV Test Report No.28249869 001 dated 2019-03-29 in Budapest  
TUV Test Report No.28249870 001 dated 2019-03-29 in Budapest

**Terms of Validity:**  
This Product Design Assessment (PDA) Certificate remains valid until 10/May/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

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## **STANDARDS**

### **ABS Rules:**

2022 Rules for Marine Vessels 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-2/9.5  
2022 Rules for Mobile Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-3-2/9.1.3  
2022 Facilities on Offshore Installations 3-6/5.9.1 ii)

### **National:**

NA

### **International:**

IEC 60947-4-1 Ed.4.0 (2018-10)  
IEC 60947-5-1 Ed.4.0 (2016-05)

### **Government:**

NA

### **EUMED:**

NA

### **OTHERS:**

NA