

# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAE00001UD**  
Revision No:  
**1**

## This is to certify:

### That the Contactor

with type designation(s)  
**LC1/LC2D80 to D95, LC1/LP1D80004 & LC1/LP1D80008**

Issued to

**Schneider Electric Industries S.A.S.**  
**Grenoble, France**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**  
**DNV class programme DNV-CP-0396 – Type approval – Low-voltage switchgear and controlgear - rated voltage does not exceed 1000V AC or 1500V DC**

## Application :

**Contactors and reversing / pole-changing contactors with ac or dc control circuit for installation in enclosures onboard ship and mobile offshore units**

**Products approved by this certificate are accepted for installation on all vessels classed by DNV.**

**Rated voltage (V) 690**  
**Rated current (A) 80 - 95 (at 440 VAC, AC3 Category)**  
**Frequency (Hz) 50 - 60**

Issued at **Høvik** on **2022-10-03**

for **DNV**

This Certificate is valid until **2027-05-28**.

DNV local station: **France CMC**

Approval Engineer: **Nicolay Horn**

**Frederik Tore Elter**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



## Name and place of manufacturer

Schneider Electric SA  
 Cizovska 447  
 397 01 Pizek,  
 Czech Republic

## Product description

Electric contactors with ac or dc control circuit of type LC1D80 & D95 (3 poles), reverse contactors LC2D80 & D95 (3 poles) and 4 poles contactors LP1D80004 & LC1/LP1D80008

Contactors:

Reference	Ith	Ue	230V	400V	440V	500V	690V	
LC1D80 LC2D80 LC1D80004 LP1D80004	125A	Ie (AC-1)	125A					
		Ie (AC-3)	72A	66A	80A	78A	47A	
		AC-3e	72A	66A	80A	78A	47A	
		Ie (AC-4)	60A	55A	66,7A	65A	39,2A	
LC1D80008 LP1D80008	125A	Ie (AC-1)	125A					
		Ie (AC-3)	81A	80A	95A	78A	47A	
LC1D95 LC2D95	125A	Ie (AC-3)	81A	80A	95A	78A	47A	
		AC-3e	81A	80A	95A	78A	47A	
		Ie (AC-4)	67,5A	66,7A	79,2A	65A	39,2A	
		Ie (AC-1)	125A					

## Type Approval documentation

STIEE test reports no. C009-CB2012CQC-042923 issued 2012-09-18, C009-CB2012CQC-042924 issued 2012-09-24, C009-CB2012CQC-042925 issued 2012-09-25 & C009-CB2012CQC-042925 issued 2012-09-26. TÜV test reports no. 28220827 001 & 28220827 002 issued 2014-06-13, CN21WJ4S 001& CN217TSW 001& CN21B302 001 issue on 2021-10-13, CN21WJ4S 002& CN21B302 002 issued on 2022-07-06.

ASEFA Certificate of conformity 17-362, -363, -364, -365, -366, -367, -368, -369, -370.

TÜV Rheinland CB certificate Nr. HU-001320, HU\_003653, HU-003653-M1

Vibration Test no. 90 01 01 84 dated 20.12.89.

## Tests carried out

Performance according to IEC Publ. 60947-4-1 and Vibration Test.

## Marking of product

Schneider Electric and Type designation.

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3,5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE