

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Contactor

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

Issued to

Schneider Electric Industries SAS
Eybens Isere, France

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft
DNV GL class programme DNVGL-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

Product(s) approved by this certificate is/are accepted for installation on all vessels classed
by DNV GL.

Rated Voltage (V) 690

Rated Current (A) 80 - 95 (at 440 VAC, AC3 Category)

Frequency (Hz) 50 - 60

Issued at **Høvik** on **2017-05-29**

This Certificate is valid until **2022-05-28**.

DNV GL local station: **Marseille**

for **DNV GL**

Approval Engineer: **Georgy Abramenko**

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Andreas Kristoffersen
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.



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	125A	Ie (AC-1)	125A				
LC2D80		Ie (AC-3)	72A	66A	80A	78A	47A
LC1D80004 LP1D80004		Ie (AC-4)	60A	55A	66,7A	65A	39,2A
LC1D80008 LP1D80008	125A	Ie (AC-1)	125A				
LC1D95 LC2D95	125A	Ie (AC-1)	125A				
		Ie (AC-3)	81A	80A	95A	78A	47A
		Ie (AC-4)	67,5A	66,7A	79,2A	65A	39,2A

Type Approval documentation

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