



Certificate no.:
TAE00004YD

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Contactor

with type designation(s)
TeSys CVX

issued to

SCHNEIDER ELECTRIC (XIAMEN) SWITCHGEAR EQUIPMENT CO., LTD.
Xiamen City, China

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

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

Rated voltage (V) 7.2kV/12kV

Rated current (A) 400

Frequency (Hz) 50/60

Issued at **Høvik** on **2025-05-12**

This Certificate is valid until **2030-05-11**.

for **DNV**

DNV local unit: **China South NB**

Approval Engineer: **Qiang William Guo**

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 USD 300 000.



Form code: TA 251

Revision: 2023-09

www.dnv.com

Page 1 of 3

Name and place of manufacturer

SCHNEIDER ELECTRIC (XIAMEN) SWITCHGEAR EQUIPMENT CO., LTD.
No.22, Huo Ju Bei Lu, Torch Park, Torch Hi-Tech Industrial Development Zone, Xiamen, China, 361006

Product description

TeSys CVX high voltage vacuum contactors

Ratings	CVX7	CVX12
Rated voltage	7.2kV	12kV
Rated short-duration Power-frequency withstand voltage	32kV	42kV
Rated lightning impulse withstand voltage	60kV	75kV
Rated frequency	50/60 Hz	50/60 Hz
Rated continuous current	400A	400A
Rated breaking capacity with fuses	50kA	50kA
Rated breaking capacity without fuses	3.2kA	3.2kA
Rated making capacity with fuses	130kAp	130kAp
Rated making capacity without fuses	4kA	4kA
Utilization category	AC-3/AC-4	AC-3/AC-4

Note: Further ratings and auxiliary equipment acc. manufacturer documentation.

Application/Limitation

The medium voltage contactors are to be installed according to DNV Rules for Ships and offshore units.

Environmental location class:

Temperature C
Humidity A
Vibration A

Operation instruction from the manufacturer to be observed.

Type Approval documentation

Tests carried out

Electrical Tests according to 60271-106:2021, temperature rise, mechanical endurance, dielectric, Additional tests on auxiliary and control circuits, Short time withstand current and peak withstand current tests, Making and breaking capacity test, Overload current withstand test, Short-circuit Current making and breaking and interlock tests.

Environmental test in accordance with DNV-CG-0339 Aug. 2021, insulation, high voltage, power supply variations, inclination, vibration, dry heat, cold, damp heat test.

Marking of product

TeSys™ – Schneider Electric – Type designation, Acc. IEC 62271-106 subclause 6.11

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 Routines (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.

Assessment to be performed at 2, 3.5 year and at renewal.



END OF CERTIFICATE

Job ID: **262.1-042052-1**
Certificate no.: **TAE00004YD**