Certificate No:
TAE00004H5

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Circuit Breaker

with type designation(s)
ComPacT NSX250DC EP and NSX500DC EP, ComPacT NSX250 NA DC EP and NSX630 NA DC EP

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

Application :

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

Type	Rated voltage (V)	Rated current (A)
ComPacT NSX250DC EP and NSX500DC EP	1500 DC	80 - 500
ComPacT NSX250 NA DC EP and NSX630 NA DC EP	1500 DC	100 - 630

Issued at **Høvik** on **2022-10-18**
This Certificate is valid until **2027-10-17**.
DNV local station: **France CMC**

Approval Engineer: **Nicolay Horn**

for **DNV**

Marta Alonso Pontes
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 (Beijing) Low Voltage Co., Ltd.
No.2 Liangshuihe 2nd Street
BJ Economic Technological Development Area
Beijing 100176
P.R.China

Product description

DC Circuit-Breakers Com**PacT** NSX DC EP

	NSX250 DC EP	NSX500 DC EP
Rated insulation voltage (V)	1600	
Rated operational voltage DC (V)	1500	
Rated Current (A)	80 - 250	250 - 500
Rated Service Short-circuit Breaking capacity (kA) Ics		
1500V (4P)	20	20
1100V (4P)	20	50
Rated Ultimate Short-circuit Breaking capacity (kA) Icu		
1500V (4P)	20	50
1100V (4P)	50	50
Selectivity category	A	A

DC Switch-Disconnectors Com**PacT** NSX NA DC EP

	NSX250 NA DC EP	NSX630 NA DC EP
Number of poles	4	4
Rated insulation voltage (V)	1600	1600
Rated operational voltage DC (V)	1500	1500
Rated Current (A)	100-250	320-630
Rated short time withstand current Icw 1s (kA)	3.5	7.56
Rated short-circuit making capacity Icm 1s (kA)	3.5	7.56
Utilization category	DC-22A DC-PV2	DC-22A DC-PV2

Application/Limitation

Shall be installed and tested according to Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards. The manufacturer's instructions to be observed.

Environmental classes:

Temperature	D
Humidity	B
Vibration	A

Type Approval documentation

Tests carried out

IEC 60947-2 (including Annex P), sequence 1 and 2 and 3, inclination, vibration, cold, dry heat, damp heat.
IEC 60947-3.

Marking of product

Schneider Electric – Com**PacT** NSX DC EP – type designation – manufacturing place (code date)
Schneider Electric – Com**PacT** NSX NA DC EP – type designation – manufacturing place (code date)

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.

Periodical assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE