



Certificate no.:
TAE0000522

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Electrical Equipment**

with type designation(s)

PowerLogic Smart PCSU Harmonic Filter

issued to

Schneider Electric IT (Xiamen) Co., Ltd.
Xiamen, Fujian, 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.

Temperature A

Humidity B

Vibration A

Issued at **Høvik** on **2025-06-11**

This Certificate is valid until **2030-06-10**.

for **DNV**

DNV local unit: **AC Europe Electrical Systems**

Approval Engineer: **Andreas Andrecht**

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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.

Product description

PowerLogic Smart PCSU Harmonic Filter

Technical data

Nominal voltage	450Vac, application range 382.5V ~ 552.0V
Nominal frequency	50/60Hz, 45-63Hz auto sensing
Harmonic correction time	<20 ms
Reactive correction time	<10 ms
Cooling	Air
Degree of protection	IP 23
Dimensions (W*D*H)	800*1000*2200 mm

Type designation

PCSU100Y3V45M1	rated current	100A
PCSU150Y3V45M1	rated current	150A
PCSU200Y3V45M1	rated current	200A
PCSU250Y3V45M1	rated current	250A
PCSU300Y3V45M1	rated current	300A
PCSU350Y3V45M1	rated current	350A
PCSU400Y3V45M1	rated current	400A
PCSU450Y3V45M1	rated current	450A

HMI software Version	MC3243.1
Module Version	D36B0C5M

Location Classes

Temperature Class	A
Humidity Class	B
Vibration Class	A
EMC Class	A
Enclosure Class	IP23

Type Approval documentation

Tests carried out

Type tests for the PowerLogic Smart PCSU according to applicable DNV rules and standards as listed below have been carried out. DNV-RU-SHIP Pt.4 Ch.8, DNV-RU-SHIP Pt.4 Ch.9, DNV-CG-0339.

Place of Manufacturer

Schneider Electric IT (Xiamen) Co., Ltd.
6 Chuang Xin Road Hu Li District
Xiamen 361100 Fujian China

Marking of product

Rated Voltage, Rated Current, Rated Frequency, IP Grade, Type Designation

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are 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