



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA0000RS
Revision No:
2

This is to certify:

That the DC Power Supply

with type designation(s)

Product Line "SITOP modular" - Power Supply Module Types as listed below

Issued to

**Siemens AG Österreich
Wien, Austria**

is found to comply with

DNV rules for classification – Ships

Application :

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

Temperature	B
Humidity	B
Vibration	A
EMC	A
Enclosure	A

Issued at **Hamburg** on **2022-12-27**

for **DNV**

This Certificate is valid until **2027-12-26**.

DNV local unit: **Augsburg**

Approval Engineer: **Didier Girardin**

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Joannis Papanuskas
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.



Product description

Rated Input Voltage Ue 120 / 230 / 500V AC

Type	Rated Output Voltage Ua	Rated Output Current Ia
6EP1333-3BA10	24V DC	5A
6EP1333-3BA10-8AC0	24V DC	5A
6EP1334-3BA10-8AB0	24V DC	10A
6EP1334-3BA10	24V DC	10A

Rated Input Voltage Ue 120 / 230V AC

Type	Rated Output Voltage Ua	Rated Output Current Ia
6EP3333-8SB00-0AY0	24V DC	5A
6EP3334-8SB00-0AY0	24V DC	10A
6EP3337-8SB00-0AY0	24V DC	40 A
6EP3337-8SC00-0AY0	24V DC	40 A
6EP1336-3BA00	24V DC	20A
6EP1336-3BA10	24V DC	20A

Rated Input Voltage Ue 400 - 500V AC

Type	Rated Output Voltage Ua	Rated Output Current Ia
6EP1436-3BA00	24V DC	20A
6EP3436-8SB00-0AY0	24V DC	20A
6EP3437-8SB00-0AY0	24V DC	40A
6EP3437-8UB00-0AY0	24V DC	30 - 40A
6EP3447-8SB00-0AY0	48V DC	20A

Rated Input Voltage Ue 600V DC

Type	Rated Output Voltage Ua	Rated Output Current Ia
6EP1536-3AA00	24V DC	20A

Application/Limitation

For modules intended for rated input voltage 500V AC:
 Overvoltage shutdown at 550 V AC

For module intended for rated input voltage Ue 600V DC:
 Without external EMC filter for DC connection to converter DC link only

Type Approval documentation

Hidden
 Acc. to TA File GL 20491-11 HH
 TechDocs 01-51 acc. To NPS Job ID 262.1-023538-2

Tests carried out

DNV GL Rules for Classification DNVGL-RU-0050, Edition 2017-02
 DNV Class Guidelines DNV-CG-0339, August 2021

Marking of product

Maker's trademark
 Type designation
 Rated input voltage / current
 Rated output voltage / current



Job Id: **262.1-023538-3**
Certificate No: **TAA00000RS**
Revision No: **2**

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 survey are:

- Inspection on factory samples, selected at random from the production line
- 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