



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAA00000RU**  
Revision No:  
**2**

## This is to certify:

**That the DC Power Supply**

with type designation(s)

**Product Line: "SITOP smart" - 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.**

<b>Temperature</b>	<b>B</b>
<b>Humidity</b>	<b>B</b>
<b>Vibration</b>	<b>A</b>
<b>EMC</b>	<b>A</b>
<b>Enclosure</b>	<b>A</b>

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 / 240V AC

Type	Rated output voltage Ua	Rated output current Ia
6EP1332-2BA20	24V DC	2,5A
6EP7133-6AB00-0BN0	24V DC	5,0A
6EP7133-6BB00-0BN0	24V DC	5,0A
6EP1333-2BA20	24V DC	5,0A
6EP1322-2BA00	12V DC	7,0A

### Rated Input Voltage Ue 120 / 240V AC

Type	Rated output voltage Ua	Rated output current Ia
6EP1334-2AA01-0AB0	24V DC	10,0A
6EP1334-2BA20	24V DC	10,0A
6EP7133-6AE00-0BN0	24V DC	10,0A
6EP7133-6BE00-0BN0	24V DC	10,0A
6EP1323-2BA00	12V DC	14,0A
6EP1336-2BA10	24V DC	20,0A
3RX9511-0AA00	30V DC	3,0A
3RX9512-0AA00	30V DC	4,0A
3RX9513-0AA00	30V DC	8,0A

### Rated Input Voltage Ue 400 - 500V AC

Type	Rated output voltage Ua	Rated output current Ia
6EP1434-2BA10	24V DC	10,0A
6EP1436-2BA10	24V DC	20,0A
6EP1433-2BA20	24V DC	5,0A
6EP1434-2BA20	24V DC	10,0A
6EP1437-2BA20	24V DC	40,0A

## Application/Limitation

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

## Type Approval documentation

Hidden  
 Acc. to TA File GL 26542-05 HH  
 TechDocs 01-46 acc. To NPS Job ID 262.1-023612-2

## 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

### **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
- 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