

TYPE APPROVAL CERTIFICATE

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 GL rules for classification – Ships**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

Temperature	B
Humidity	B
Vibration	A
EMC	A
Enclosure	A

This Certificate is valid until **2022-01-22**.Issued at **Hamburg** on **2017-01-23**DNV GL local station: **Augsburg**for **DNV GL**Approval Engineer: **Maik Gagern**

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Duy Nam Le
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.

Product description

Rated Input Voltage Ue 120 / 240V AC

Type	Rated output voltage Ua	Rated output current Ia
6EP1332-2BA10	24V DC	2,5A
6EP1332-2BA20	24V DC	2,5A
6EP1333-2AA01	24V DC	5,0A
6EP1333-2AA01-0AA0	24V DC	5,0A
6EP1333-2AA01-0AC0	24V DC	5,0A
6EP1333-2BA01	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	24V DC	10,0A
6EP1334-2AA01-0AB0	24V DC	10,0A
6EP1334-2BA01	24V DC	10,0A
6EP1334-2BA20	24V DC	10,0A
6EP1323-2BA00	12V DC	14,0A
6EP1336-2BA10	24V DC	20,0A
6EP1437-2BA20	24V DC	40,0A
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 A
6EP1434-2BA20	24V DC	10,0A

Application/Limitation

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

Type Approval documentation

Acc. to TA File GL 26542-05 HH

Tests carried out

DNV GL Rules for Classification DNVGL-RU-0050, Edition 2016-01
DNV GL Class Guidelines DNVGL-CG-0339, Edition 2015-11

Marking of product



Job Id:
Certificate No: **TAA00000RU**

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