



**BUREAU
VERITAS**

Bureau Veritas S.A. Zweigniederlassung Hamburg
Veritaskai 1 · 21079 Hamburg

MARINE DIVISION
GERMAN PLAN OFFICE

Siemens AG Österreich
SIMEA / BAU 14 /
Attn. Mr. Karl
Siemensstr. 90 - 92
A-1211 Wien
ÖSTERREICH

Your ref.: e-mail dd. 11.02.12 Mr. Leo KARL,
letter dd. 14.05.2012 Mr. PETSCH
Our ref.: **GPO.2012.04500.DH.adk**
Contact: Dirk Hoepfner
Phone: +49-40 – 2 36 25 - 613
Fax: +49-40 – 2 36 25 - 622
Email: gpo.germany@de.bureauveritas.com

Hamburg, 02 Nov 2012

Ref.: Your Order No.: 9503138213
BV File No.: AP4300

Subject: Type Approval Certificate No.: 28219/A0 BV
POWER SUPPLY UNITS
LOGO! Power supplies

Dear Sir or Madam,

We are sending you the Type Approval Certificate in original which has been issued by our Society and which is intended for your use:

TAC nos.	issued on	valid to
28219/A0 BV	01 Nov 2012	01 Nov 2017

Please be informed that the Company manufacturing is to be approved as per BV Mode. Please contact our Bureau Veritas local office for further information:

Bureau Veritas S.A. Neue Strasse 40 +49 731 96 23 7-0
Büro ULM 89073 Ulm / Germany +49 731 96 23 7-20

Our invoice for the issue of the Type Approval Certificate No. 28219/A0 BV will send to Siemens AG, AC SASDC , Postfach 83, A-1211 Wien.

Yours faithfully

BUREAU VERITAS S.A.
ZWEIGNIEDERLASSUNG HAMBURG


Dirk Hoepfner
Your correspondent


Udo Storm
Head of Division

cc (by e-mail): - BV ULM
Letter: GPO.2012.04500.DH.adk

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MARINE DIVISION

Certificate number: 28219/A0 BV

File number: AP4300

Product code: 2670H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

Siemens AG Oesterreich - SIMEA IA

Vienna - AUSTRIA

for the type of product

POWER SUPPLY UNITS

LOGO! Power supplies

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 01 Nov 2017

For BUREAU VERITAS,

At BV HAMBURG, on 01 Nov 2012,

Dirk Hoepfner



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

LOGO! Power series are AC/DC power supply units for mounting on DIN rail.

1.1 - Main characteristics:

Nominal Input Voltage: 100...240VAC
 Frequency Range: 50/60 Hz
 Nominal Output Voltage: 24V DC
 Degree of protection: IP20

1.2 - Variants:

Article No.	Article Designation	Output Current
6EP1 331-1SH03	LOGO! Power, 30W	1.3A
6EP1 332-1SH43	LOGO! Power, 60W	2.5A
6EP1 332-1SH52	LOGO! Power, 100W	4A

2. DOCUMENTS AND DRAWINGS:

Drawings: - C98130-A7612-A001-02-6419 dated 12.2010; C98130-A7612-A1-2-6 Rev. 02 dated 2010-08-25
 - C98130-A7612-A1-2 Rev. B051 dated 23.12.2010; C98130-A7612-A2-2-6 Rev. 02 dated 2010-08-25
 - C98130-A7612-A2-2 Rev. B051 dated 23.12.2010; C98130-A7612-A3-2-6 Rev. 02 dated 2010-08-25
 - C98130-A7612-A3-2 Rev. B051 dated 23.12.2010; C98043-A7602-L11-01-11 Rev. 52 dated 020310
 - C98043-A7603-L11-1-11 Rev. 52 dated 090310; C98043-A7604-L11-1-11 Rev.52 dated 240310

3. TEST REPORTS:

TGM Staatliche Versuchsanstalt:

- TGM-VA EE 33361b EMC dated 14.06.2010
 - TGM-VA EE 33361c EMC dated 09.08.2010
 - TGM-VA EE 33344 EMC dated 31.05.2010

SIEMENS AG Österreich:

- Typprüfbericht V1.0 6EP1332-1SH52 dated 13.08.2010
 - Typprüfbericht V1.0 6EP1331-1SH03 dated 13.08.2010
 - Typprüfbericht V1.0 6EP1332-1SH43 dated 13.08.2010
 - SIMEA IA-SC QM dated 1.10.2012

Österreichisches Forschungs- und Prüfzentrum Arsenal Ges.mbH:

- 2.05.00595.1.0-5010 dated 10.8.2010

4. APPLICATION / LIMITATION:

4.1 - Bureau Veritas Rules for the Classification of Steel Ships.
 4.2 - Bureau Veritas Environmental Category, **EC Code: 31**.
 4.3 - The equipment fulfils the EMC requirements for installation in General power Distribution Zones.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be manufactured, examined and tested by **SIEMENS AG Österreich - SIMEA IA** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **SIEMENS AG Österreich - SIMEA IA** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **SIEMENS AG Österreich - SIMEA IA** has declared to Bureau Veritas that the types of product described in this certificate are manufactured at the following production site:

SIEMENS AG Österreich - SIMEA IA
Siemensstrasse 90-92
1211 Wien
AUSTRIA

5.4 - Equipment is to be supplied with manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT:

- Maker's name or trade mark.
- Date of manufacture and/or serial number.
- Equipment type or model identification under which it was type-tested

7. OTHERS:

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **SIEMENS AG Österreich - SIMEA IA - AUSTRIA**, will accept full responsibility for informing shipbuilders, ship-owners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

*** END OF CERTIFICATE ***