



Polski Rejestr Statków

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product type

INDUSTRIAL COMMUNICATION SYSTEM

SIMATIC NET

manufactured by

Siemens AG, I IA AS
Werner-von-Siemens-Strasse 50
D-92224 Amberg
Germany

is approved as complying with the requirements of the

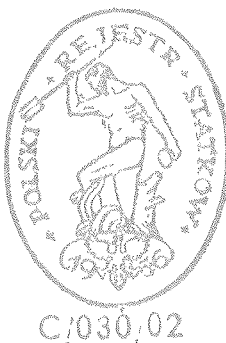
PRS Rules and is suitable for use on board of ships classified by PRS or in appliances with PRS certificates.

Certificate No. TE/1903/883241/11

Expiry date 2016-08-26

Issued at

Gdańsk, 2011-08-26



Signature

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Continued overleaf

Equipment:

Scalance: 6GK5 104-2, 6GK5 414, 6GK5 106-1, 6GK5 108, 6GK5 204-2, 6GK5 206-1, 6GK5 208, 6GK5 744, 6GK5 788, 6GK5 491, 6GK5 492, 6GK5 495, 6GK5 496, 6GK5 005, 6GK5 101, 6GK5 112, 6GK5 116, 6GK5 124, 6GK5 202-2 IRT, 6GK5 204-2, 6GK5 204 IRT, 6GK5 212, 6GK5 216, 6GK5 224, 6GK5 307, 6GK5 308, 6GK5 310, 6GK5 408

Security Module: 6GK5 602, 6GK5 612, 6GK5 613

Power Supply: 6GK5 791

Modular Outlet: 6GK1 901

IE/PB Link: 6GK1 411

OBT: 6GK1 500

BT: 6GK1 500

OSM: 6GK1 105

ESM: 6GK1 105

OLM: 6GK1 503

Basis of approval

1. SIEMENS Catalog CA 01 10/2005.
2. Test reports Nos. A&D AS RD ST Type Test 01/05 and A&D ATS 6/05-M0601784-A1, A&D AS RD ST Type Test-02/05, A&D AS RD ST Type Test-08/07, A&D AS RD ST Type Test-11/2005, A&D AS RD ST Type Test-0606.
3. Inspection of the production process and quality control system carried out in June 2011.
4. Quality System Certificate No. 001323 QM issued by DQS GmbH Deutsche Gesellschaft zur Zertifizierung von Managementsystemen.

Additional conditions and remarks:

1. Where Scalance, Power Supply, Modular Outlet and IE/PB Link are used on the bridge or open deck, these modules are to be connected to the filter, which has the following characteristic:
 $I=3A$, $C=2 \times 0.47 \mu F + 2 \times 4700 pF$, $L=4 \times 4.7 mH$ or equivalent.
2. Scalance 6GK5 744/788 are only to be used in an environment where the Wireless LAN communication does not interfere with other equipment or systems.
3. Security Modules 6GK5 612/613 are only to be used with Ferrit 24V DC, Type 74271222, Manufacturer: Wuerth.
4. Manufacturing place:
Siemens Elektronikwerk Karlsruhe
Östliche Reinbrückenstr. 50, 76187 Karlsruhe, Germany

Notes

- 1 The approval is valid only when the product is used in accordance with the manufacturer's conditions.
- 2 Changes of product design and materials which influence product quality are to be agreed with PRS.
- 3 Type Approval Certificate will be cancelled in the case of dissatisfactory service results, modifications made in the product structure or materials without PRS' consent, not advising PRS of the manufacturer's name change.

In carrying out survey activities Polski Rejestr Statków S.A. (PRS) makes efforts to ensure that they are conducted with conscientiousness and the principles of good practice, with due regard paid to the state-of-the-art technology. However, neither PRS nor its Surveyors shall bear any civil liability for damage, loss or expense which may arise in consequence or as the outcome of conducting these activities, or the result of information or advice given to the customer by PRS, irrespective of whether or not such were the result of neglect, error or lack of proper information. Nevertheless, should the customer prove that such damage, loss or expense was due to negligence on the part of the Society or its Surveyors, PRS will pay compensation to the customer for his loss up to but not exceeding the amount due for services provided, forming the basis of the customer's claim. In no cases will PRS be responsible for indirect losses (loss of prospective profits, loss of contract, inability to undertake activities, etc.) sustained by the customer and associated with the executing of a commission by PRS.



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Appendix to certificate no. TE/1903/883241/11

Installation:

- OSM/ESM: Installation only with S7-300 profile rail or wall mounting.
- Scalance 6GK5 744/788/414/491/492/495/496/786/784:
Installation only with S7-300 profile rail or wall mounting possible.
- Modular Outlet: Installation with mounting rail 35mm or wall mounting possible.
- Scalance 6GK5 104-2, 106-1, 108, 204-2, 206-1, 208, 202-2 IRT, 204 IRT, 101, 005, 112, 116, 124, 212, 216, 224, 307, 308, 310:
Installation with S7-300 profile rail or mounting rail 35mm or wall mounting possible.
- IE/PB Link: Installation only with S7-300 profile rail.
- Power supply: Installation with S7-300 profile rail, mounting rail 35mm or wall mounting possible.
- OLM: Installation with mounting rail 35mm.
- Scalance 6GK5 408: Installation with S7-300 profile rail or mounting rail 35mm.