

# Appendix



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## Training

### Faster and more applicable know-how: Hands-on training from the manufacturer

**SITRAIN®** – the Siemens Training for Automation and Industrial Solutions – provides you with comprehensive support in solving your tasks.

Training by the market leader in automation and plant engineering enables you to make independent decisions with confidence. Especially where the optimum and efficient use of products and plants are concerned. You can eliminate deficiencies in existing plants, and exclude expensive faulty planning right from the beginning.



First-class know-how directly pays for itself: In shorter startup times, high-quality end products, faster troubleshooting and reduced downtimes. In other words, increased profits and lower costs.

#### Achieve more with SITRAIN

- Shorter times for startup, maintenance and servicing
- Optimized production operations
- Reliable configuration and startup
- Minimization of plant downtimes
- Flexible plant adaptation to market requirements
- Compliance with quality standards in production
- Increased employee satisfaction and motivation
- Shorter familiarization times following changes in technology and staff

### Contact

Visit our site on the Internet at:

<http://www.siemens.com/sitrain>

or let us advise you personally. You can request our latest training catalog from:

#### SITRAIN Customer Support Germany:

Phone: +49 (0)1805 / 23 56 11

Fax: +49 (0)1805 / 23 56 12

(0.14 €/min. from a German landline network, mobile telephone prices may vary)

E-Mail: [info@sitrain.com](mailto:info@sitrain.com)

### SITRAIN highlights

#### Top trainers

Our trainers are skilled teachers with direct practical experience. Course developers have close contact with product development, and directly pass on their knowledge to the trainers.

#### Practical experience

The practical experience of our trainers enables them to teach theory effectively. But since theory can be pretty drab, we attach great importance to practical exercises which can comprise up to half of the course time. You can therefore immediately implement your new knowledge in practice. We train you on state-of-the-art methodically/didactically designed training equipment. This training approach will give you all the confidence you need.

#### Wide variety

With a total of about 300 local attendance courses, we train the complete range of Siemens Industry products as well as interaction of the products in systems.

#### Tailor-made training

We are only a short distance away. You can find us at more than 50 locations in Germany, and in 62 countries worldwide. You wish to have individual training instead of one of our 300 courses? Our solution: We will provide a program tailored exactly to your personal requirements. Training can be carried out in our Training Centers or at your company.

#### The right mixture: Blended learning

"Blended learning" means a combination of various training media and sequences. For example, a local attendance course in a Training Center can be optimally supplemented by a teach-yourself program as preparation or follow-up. Additional effect: Reduced traveling costs and periods of absence.







**Training program for SIMATIC NET**

The training program for SIMATIC NET gives your employees a necessary overview as well as detailed knowledge of industrial communication. In addition to planning and configuring with SIMATIC NET, training includes the use and programming of SIMATIC NET products as well as commissioning and service.

Further information regarding current courses for EIB/KNX is available in the Internet at: [www.siemens.com/sitrain](http://www.siemens.com/sitrain)

| Commissioning engineer, configuring engineer |              |                   |                     |             |      |
|--|--------------|-------------------|---------------------|-------------|------|
| Programmer                                   |              | Service personnel |                     |             |      |
| Project management                           |              | Operators, users  |                     |             |      |
| Decision-maker, sales personnel              |              | Service engineers |                     |             |      |
| Title  | Target group |                   | Duration/<br>Medium | Short title | Page |

**SIMATIC NET communications systems**

| Industrial Ethernet                                     |   |   |   |   |   |   |   |   |                |             |          |
|---|---|---|---|---|---|---|---|---|----------------|-------------|----------|
| Industrial Ethernet system course                       |    |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | 3 days         | IK-IESYS    | 10/5     |
| Security in Industrial Ethernet Networks                |   | ✓ | ✓ |   |   |   |   |   | 1 day          | IK-IESECWS  | 10/5     |
| Industrial Ethernet                                     |   |   |   | ✓ | ✓ | ✓ |   | ✓ | CD-COM         | SM-ETHER    | Internet |
| Communication over Industrial Ethernet                  |   |   |   | ✓ | ✓ | ✓ |   | ✓ | WBT            | WT-ETHER    | Internet |
| Industrial Ethernet at SIEMENS                          |   |   |   | ✓ | ✓ | ✓ |   | ✓ | WBT            | WT-IESI     | Internet |
| Industrial Ethernet in automation technology            |   |   |   |   | ✓ |   | ✓ |   | Technical book | FB-IT4AUT   | 10/6     |
| PROFINET  |   |   |   |   |   |   |   |   |                |             |          |
| PROFINET system course                                  |  |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | 3 days         | IK-PNSYS    | 10/8     |
| Certified PROFINET Network Engineer/Installer           |   |   |   | ✓ | ✓ | ✓ |   | ✓ | 3 days         | IK-PNOCPNEI | 10/9     |
| PROFINET  |   |   |   | ✓ | ✓ | ✓ |   | ✓ | WBT            | WT-PROFIN   | Internet |
| Automating with PROFINET                                |   |   |   | ✓ | ✓ | ✓ |   | ✓ | Technical book | FB-AUTPN    | 10/9     |
| Industrial Wireless Communication                       |   |   |   |   |   |   |   |   |                |             |          |
| Industrial Wireless LAN system course                   |   |   |   | ✓ | ✓ | ✓ |   | ✓ | 2 days         | IK-IWLANSYS | 10/10    |
| OPC   |   |   |   |   |   |   |   |   |                |             |          |
| Understanding the OPC interface – system course         |   |   |   | ✓ | ✓ | ✓ |   | ✓ | 4 days         | IK-OPCSYS   | 10/11    |
| PROFIBUS  |   |   |   |   |   |   |   |   |                |             |          |
| PROFIBUS DP system course                               |  |   |   | ✓ | ✓ | ✓ |   | ✓ | 3 days         | IK-PBSYS    | 10/13    |
| PROFIBUS and S7 – Troubleshooting for service personnel |   |   |   |   | ✓ | ✓ |   | ✓ | 2 days         | KO-PBDIAG   | 10/14    |
| PROFIBUS  |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | CD-COM         | SM-PROFI    | Internet |
| PROFIBUS  |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | WBT            | WT-PROFI    | Internet |
| Decentralization with PROFIBUS DP/DPV1                  |   |   |   | ✓ |   |   | ✓ |   | Technical book | FB-PROFI    | 10/14    |
| AS-Interface  |   |   |   |   |   |   |   |   |                |             |          |
| Actuator/Sensor Interface system course                 |   | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | 3 days         | IK-ASISYS   | 11/9     |
| SINAUT ST7  |   |   |   |   |   |   |   |   |                |             |          |
| Engineering SINAUT ST7                                  |   |   |   | ✓ | ✓ | ✓ |   | ✓ | 5 days         | IK-SINAUT   | 10/16    |
| Electromagnetic compatibility (EMC)                     |   |   |   |   |   |   |   |   |                |             |          |
| Electromagnetic compatibility in practice               |  |   |   | ✓ | ✓ | ✓ |   | ✓ | 2 days         | MP-EMVPRA   | 10/17    |

## Quick Start Software

### Fast entry into industrial communication



- With "Quick Start" you get a free CD-ROM and/or online sample programs for a fast introduction to industrial communication.

#### Contents

- Sample programs for programming devices/PC, SIMATIC S7 and SIMATIC S5
- All terminals are connected to all other terminals through Industrial Ethernet, PROFINET or PROFIBUS
- Complete, simple examples for a multitude of interfacing options
- Communication solutions: Choose your communication solution from the complete, executable projects and programs, incl. S7 communication, PROFIBUS FMS, PROFIBUS DP, PROFINET, SEND/RECEIVE...

#### Structure

- A single interface guides you through the applications
- The documentation is simple and clear
- The simple layout presents an instant overview of the program components required for communication
- Small programs with simple data exchange form the basis for your own applications
- The examples required can be loaded from the CD and run immediately.

#### Note:

To get your free copy of the Quick Start CD/online access, please answer the questions about your system/installation on the online order form. Your replies will help us with the ongoing development of our products.

The order form can be accessed in the Internet at:

<http://www.siemens.com/simatic-net/quickstart>

## Standards and approvals

**CE marking**

In as far as the electronic products described in this Catalog are subject to requirements and protection goals stipulated in EG guidelines, the relevant EG conformity declarations for the competent authorities are held available at:

*SIMATIC:*

Siemens AG,  
Industry Sector  
IA AS EWA  
Postfach 1963  
D-92209 Amberg  
GERMANY

*SIMATIC NET:*

SIEMENS AG  
Industry Sector  
IA SC IC  
Postfach 4848  
D-90327 Nürnberg  
GERMANY

*SIMATIC HMI:*

SIEMENS AG  
Industry Sector  
IA AS HMI  
Postfach 4848  
D-90327 Nürnberg  
GERMANY

SIMATIC NET products are designed for operation in industrial environments and comply with the following requirements:

Noise emissions:  
EN 61000-6-4: 2007  
Noise immunity:  
EN 61000-6-2: 2005

Selected modules comply with stringent requirements with regard to emitted interference and are therefore allowed to be used in an industrial as well as in a domestic environment:

Noise emissions:  
EN 61000-6-3: 2007  
Noise immunity:  
EN 61000-6-2: 2005

Please take details regarding the fulfillment of specific European standards (EN) from the technical documents (manuals) associated with the product. Prerequisite for the fulfillment of the aforementioned protection goals is strict observance of the installation guidelines described in the manuals during the installation and operation of the products.

The installation guidelines described in the manuals and the important notes concerning installation in cabinets and the use of shielded cables must be complied with when installing and operating the products described in this catalog.

**Notes for machine manufacturers**

The SIMATIC automation system is not a machine in the sense of the EC Machinery Directive. For SIMATIC therefore no Declaration of Conformity in terms of the EC Machinery – Directive 89/392/EEG or 2006/42/EG (new edition, applicable from end of 2009) may be issued.

The EC Machinery Directive regulates the requirements for a machine or sub-unit of a machine. Machine in this context is defined as an entity of connected parts or devices (see also EN 292-1, Para. 3.1).

SIMATIC is part of the electrical equipment of a machine and must therefore be included in the assessment of the machine as a whole.

As an electrical resource, SIMATIC is subject to the low-voltage directive that, like the machine directive, also covers all hazards as a "total safety directive".

The EN 60204-1 standard (Safety of machines, general requirements – for the electrical equipment of machines) applies for the electrical equipment of machines.

The following table should help you when drawing up your declaration of conformity and shows which criteria apply to SIMATIC in accordance with EN 60204-1(2006-06). You can obtain – further information from the enclosed declaration of conformity in accordance with the low-voltage and EMC directive (with the list of standards complied with).

| EN 60204-1     | Topic/criterion                 | Notes   |
|----------------|---------------------------------|---|
| Paragraph 4    | General requirements            | The requirements are met when the equipment is assembled/ installed in accordance with the installation guidelines. Please note the relevant information in the manuals |
| Paragraph 11.2 | Digital input/output interfaces | The requirements are met  |
| Paragraph 12.3 | Programmable equipment          | The requirements are met when the equipment is installed in lockable cabinets to protect against alteration of the memory contents by unauthorized persons.             |
| Paragraph 20.4 | Voltage tests                   | The requirements are met  |





## Partner at Industry Automation and Drive Technologies

## Siemens Contacts Worldwide

## Overview



At Siemens Industry Automation and Drive Technologies, more than 85,000 people are resolutely pursuing the same goal: long-term improvement of your competitive ability. We are committed to this goal. Thanks to our commitment, we continue to set new standards in automation and drive technology. In all industries – worldwide.

At your service locally, around the globe for consulting, sales, training, service, support, spare parts... on the entire Industry Automation and Drive Technologies range.

Your personal contact can be found in our Contacts Database at: <http://www.automation.siemens.com/mcms/aspa-db/>

You start by selecting a

- Product group,
- Country,
- City,
- Service.



# Appendix

## Partner at Industry Automation and Drive Technologies

**Siemens Solution Partner  
Automation, Power Distribution and PLM**

### Overview

|  |         |
|--|---------|
| Solution Partner<br>Automation         | SIEMENS |
| Solution Partner<br>Power Distribution | SIEMENS |
| Solution Partner<br>PLM                | SIEMENS |

Siemens Solution Partner is the name used to identify selected system integrators as suppliers of solutions for the Siemens portfolio in the automation, power distribution and product life-cycle management (PLM) sectors in accordance with globally uniform qualification procedures.

In the context of the Siemens Solution Partner program, our strengths merge with the competences of our Solution Partners. Our product and system expertise works together with the comprehensive application and sector expertise of our partners to always produce perfect solutions for every application.

The number of Solution Partners has increased extremely rapidly, and now more than 850 certified Solution Partners are able to provide pioneering, tailored solutions in more than 45 countries.

The Solution Partner Finder, available to you on the Internet, is a comprehensive database in which all Solution Partners, together with their performance profiles, present themselves.

In addition to the search criteria Technology, Sector and Country, you can also search by Company and ZIP Code. From there it is only a small step to making the first contact.

Call up the Solution Partner Finder as follows:

- CA 01 on DVD:  
On the start page via "Contacts & Partners;  
Siemens Solution Partner Automation, Power Distribution and PLM"
- CA 01 online:  
Go directly to the Solution Partner Finder:  
[www.siemens.com/automation/partnerfinder](http://www.siemens.com/automation/partnerfinder)

Additional information about the Siemens Solution Partner Program is available in the Internet at:

[www.siemens.com/automation/solutionpartner](http://www.siemens.com/automation/solutionpartner)



#### Siemens Industry Automation and Drive Technologies in the WWW



A detailed knowledge of the range of products and services available is essential when planning and configuring automation systems. It goes without saying that this information must always be fully up-to-date.

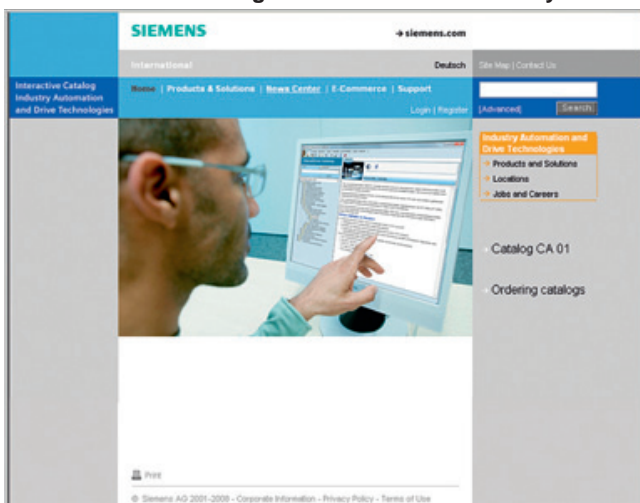
Siemens Industry Automation and Drive Technologies has therefore built up a comprehensive range of information in the World Wide Web, which offers quick and easy access to all data required.

Under the address

<http://www.siemens.com/automation>

you will find everything you need to know about products, systems and services.

#### Product Selection Using the Offline Mall of Industry



Detailed information together with convenient interactive functions:

The Offline Mall CA 01 covers more than 80,000 products and thus provides a full summary of the Siemens Industry Automation and Drive Technologies product base.

Here you will find everything that you need to solve tasks in the fields of automation, switchgear, installation and drives. All information is linked into a user interface which is easy to work with and intuitive.

After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information on the Offline Mall CA 01 can be found in the Internet under

<http://www.siemens.com/automation/ca01>

or on DVD.

#### Easy Shopping with the Industry Mall



The Industry Mall is the virtual department store of Siemens AG in the Internet. Here you have access to a huge range of products presented in electronic catalogs in an informative and attractive way.

Data transfer via EDIFACT allows the whole procedure from selection through ordering to tracking of the order to be carried out online via the Internet.

Numerous functions are available to support you.

For example, powerful search functions make it easy to find the required products, which can be immediately checked for availability. Customer-specific discounts and preparation of quotes can be carried out online as well as order tracking and tracing.

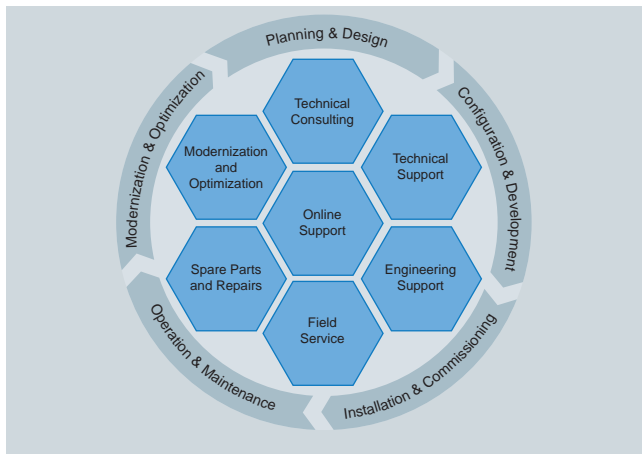
Please visit the Industry Mall on the Internet under:

<http://www.siemens.com/industrymall>

# Appendix

## Service & Support

### Services covering the entire life cycle



Our Service & Support accompanies you worldwide in all concerns related to the automation and drive technology of Siemens. In more than 100 countries directly on site and covering all phases of the life cycle of your machines and plants. Round the clock.

An experienced team of specialists with their combined know-how is ready to assist you. Regular training courses and a close contact of our employees among each other – also across continents – assure a reliable service for multifaceted scopes.

#### Online Support



The comprehensive information system available round the clock via Internet ranging from Product Support and Service & Support services to Support Tools in the Shop.

<http://www.siemens.com/automation/service&support>

#### Technical Support



Competent consulting in technical questions covering a wide range of customer-oriented services for all our products and systems.

<http://www.siemens.com/automation/support-request>

#### Technical Consulting



Support in the planning and designing of your project from detailed actual-state analysis, target definition and consulting on product and system questions right to the creation of the automation solution.

#### Engineering Support



Support in configuring and developing with customer-oriented services from actual configuration to implementation of the automation project.

#### Field Service



With Field Service, we offer services for startup and maintenance essential for ensuring system availability.

#### Spare Parts and Repairs



In the operating phase of a machine or automation system, we provide a comprehensive repair and spare parts service ensuring the highest degree of plant availability.

#### Optimization and Upgrading



After startup or during the operating phase, additional potential for increasing the productivity or for reducing costs often arises. For this purpose, we offer you high-quality services in optimization and upgrading.

You find contact details in the Internet under:  
<http://www.siemens.com/automation/service&support>

#### Knowledge Base on DVD



For locations without online connections to the Internet there are excerpts of the free part of the information sources available on DVD (Service & Support Knowledge Base). This DVD contains all the latest product information at the time of production (FAQs, Downloads, Tips and Tricks, Updates) as well as general information on Service & Support.

The DVD also includes a full-text search and our Knowledge Manager for targeted searches for solutions. The DVD will be updated every 4 months.

Just the same as our online offer in the Internet, the Service & Support Knowledge Base on DVD comes complete in 5 languages (German, English, French, Italian, Spanish).

You can order the **Service & Support Knowledge Base** DVD from your Siemens contact.

Order no. **6ZB5310-0EP30-0BA2**

#### Automation Value Card



#### Small card – great support

The Automation Value Card is an integral component of the comprehensive service concept with which Siemens Automation and Drives will accompany you in each phase of your automation project.

It doesn't matter whether you want just specific services from our Technical Support or want to purchase something on our Online portal, you can always pay with your Automation Value Card. No invoicing, transparent and safe. With your personal card number and associated PIN you can view the state of your account and all transactions at any time.

Services on card. This is how it's done.

Card number and PIN are on the back of the Automation Value Card. When delivered, the PIN is covered by a scratch field, guaranteeing that the full credit is on the card.

By entering the card number and PIN you have full access to the Service & Support services being offered. The charge for the services procured is debited from the credits on your Automation Value Card.

All the services offered are marked in currency-neutral credits, so you can use the Automation Value Card worldwide.

Order your Automation and Value Card easily and comfortably like a product with your sales contact.

#### Automation Value Card order numbers

| Credits | Order no.                  |
|---------|----------------------------|
| 200     | <b>6ES7 997-0BA00-0XA0</b> |
| 500     | <b>6ES7 997-0BB00-0XA0</b> |
| 1000    | <b>6ES7 997-0BC00-0XA0</b> |
| 10000   | <b>6ES7 997-0BG00-0XA0</b> |

Detailed information on the services offered is available on our Internet site at:

<http://www.siemens.com/automation/service&support>

Service & Support à la Card: Examples

#### Technical Support

|                   |   |
|-------------------|---|
| "Priority"        | Priority processing for urgent cases                            |
| "24 h"            | Availability round the clock                                    |
| "Extended"        | Technical consulting for complex questions                      |
| "Mature Products" | Consulting service for products that are not available any more |

#### Support Tools in the Support Shop

Tools that can be used directly for configuration, analysis and testing

## Safety of electronic devices

### Overview

The information listed here is mainly of a fundamental nature and applies regardless of the type and vendor of the electronic control system.

#### Reliability

The reliability of devices and components is being driven as high as possible by employing extensive and cost-effective measures in development and production.

This includes

- Selection of high-quality components;
- Worst-case design calculation of all circuits;
- Systematic and computer-controlled testing of all subcontracted components;
- Burn-in of all large-scale integrated circuits (e.g. processors, memories etc.);
- Measures to prevent static charging when working at or with MOS circuits;
- Visual checks at various stages of production;
- In-circuit testing of all modules, i.e. computer-aided testing of all components and their interaction in the circuit;
- Hot endurance run at high ambient temperature over several days;
- Meticulous computer-controlled final testing;
- Statistical evaluation of all returns for immediate introduction of remedial actions.

These measures are regarded as basic measures in safety engineering. They prevent or keep control of the majority of potential faults.

#### Risks

Wherever faults are liable to cause injury to persons or damage to property it is necessary to introduce measures aimed in particular at the safety of the plant and, therefore, of the control system. Special, plan-specific directives exist for these applications and need to be taken into account when configuring the control system.

In the case of safety-relevant electronic control systems the measures needing to be taken to prevent or keep control of faults are aimed at the risk presented by the plant. In such a case the basic measures listed above are no longer sufficient above a certain level of hazard potential. Additional measures have to be implemented and certified (e.g. dual-channel arrangements, tests, checksums etc.) for the control system.

### Division into a safe and a non-safe zone

In practically all plants there are parts which perform safety-related functions (e.g. emergency stop pushbuttons, mesh guards, two-hand controls). In order not to have to consider the complete control system in terms of safety engineering it is customary to divide the control system into a **safe** and a **non-safe zone**. No special requirements are imposed on the safety of the control system in the non-safe zone because there would be no impact on the safety of the plant if the electronics failed in this case. In the safe zone, on the other hand, you are only allowed to use control systems and/or circuits which satisfy the directives in question.

The following zonal divisions are customary in practice:

- Control systems with little safety engineering, e.g. machine control systems.
- Control systems with balanced zones, e.g. chemical plants, aerial ropeways.
- Control systems with mainly safety engineering, e.g. incineration plants.

#### Important

Even if a maximum of design-based safety is achieved in the configuration of an electronic control systems – e.g. through multi-edge configuration – it is still essential to closely follow the instructions in the operating manuals as otherwise wrong actions may suspend precautions for preventing potential faults or may create additional sources of danger.



**Overview****Software types**

Software requiring a license is categorized into types. The following software types have been defined:

- Engineering software
- Runtime software

**Engineering software**

This includes all software products for creating (engineering) user software, e.g. for configuring, programming, parameterizing, testing, commissioning or servicing.

Data generated with engineering software and executable programs can be duplicated for your own use or for use by third-parties free-of-charge.

**Runtime software**

This includes all software products required for plant/machine operation, e.g. operating system, basic system, system expansions, drivers, etc.

The duplication of the runtime software and executable programs created with the runtime software for your own use or for use by third-parties is subject to a charge.

You can find information about license fees according to use in the ordering data (e.g. in the catalog). Examples of categories of use include per CPU, per installation, per channel, per instance, per axis, per control loop, per variable, etc.

Information about extended rights of use for parameterization/configuration tools supplied as integral components of the scope of delivery can be found in the readme file supplied with the relevant product(s).

**License types**

Siemens Industry Automation & Drive Technologies offers various types of software license:

- Floating license
- Single license
- Rental license
- Trial license

**Floating license**

The software may be installed for internal use on any number of devices by the licensee. Only the concurrent user is licensed. The concurrent user is the person using the program. Use begins when the software is started. A license is required for each concurrent user.

**Single license**

Unlike the floating license, a single license permits only one installation of the software.

The type of use licensed is specified in the ordering data and in the Certificate of License (CoL). Types of use include for example per device, per axis, per channel, etc.

One single license is required for each type of use defined.

**Rental license**

A rental license supports the "sporadic use" of engineering software. Once the license key has been installed, the software can be used for a specific number of hours (the operating hours do not have to be consecutive).

One license is required for each installation of the software.

**Trial license**

A trial license supports "short-term use" of the software in a non-productive context, e.g. for testing and evaluation purposes. It can be transferred to another license.

**Factory license**

With the Factory License the user has the right to install and use the software at one permanent establishment only. The permanent establishment is defined by one address only. The number of hardware devices on which the software may be installed results from the order data or the Certificate of License (CoL).

**Certificate of license**

The Certificate of License (CoL) is the licensee's proof that the use of the software has been licensed by Siemens. A CoL is required for every type of use and must be kept in a safe place.

**Downgrading**

The licensee is permitted to use the software or an earlier version/release of the software, provided that the licensee owns such a version/release and its use is technically feasible.

**Delivery versions**

Software is constantly being updated.

The following delivery versions

- PowerPack
- Upgrade

can be used to access updates.

Existing bug fixes are supplied with the ServicePack version.

**PowerPack**

PowerPacks can be used to upgrade to more powerful software. The licensee receives a new license agreement and CoL (Certificate of License) with the PowerPack. This CoL, together with the CoL for the original product, proves that the new software is licensed.

A separate PowerPack must be purchased for each original license of the software to be replaced.

**Upgrade**

An upgrade permits the use of a new version of the software on the condition that a license for a previous version of the product is already held.

The licensee receives a new license agreement and CoL with the upgrade. This CoL, together with the CoL for the previous product, proves that the new version is licensed.

A separate upgrade must be purchased for each original license of the software to be upgraded.

## Software Licenses

**Overview** (continued)**Software Update Service**

The SIMATIC NET Software Update Service includes automatic delivery of the relevant updates of the SIMATIC NET PC software CD, which is available following the signing of the contract. The CD contains SIMATIC NET software for Industrial Ethernet, PROFINET, OPC server and PROFIBUS, so that your software is always up to date.

The following boundary conditions apply:

- The customer must already have a current software version, so an update/upgrade may be required beforehand.
- The update service is valid for one year following the date specified in the order.
- It shall be extended automatically for a further year, provided that it is not cancelled 3 months in advance by the customer or by the responsible Siemens partner.
- When the contract is extended, the customer will be invoiced for the cost of a further year.

**ServicePack**

ServicePacks are used to debug existing products. ServicePacks may be duplicated for use as prescribed according to the number of existing original licenses.

**License key**

Siemens Industry Automation & Drive Technologies supplies software products with and without license keys.

The license key serves as an electronic license stamp and is also the "switch" for activating the software (floating license, rental license, etc.).

The complete installation of software products requiring license keys includes the program to be licensed (the software) and the license key (which represents the license).

Detailed explanations concerning license conditions can be found in the "Terms and Conditions of Siemens AG" or under <http://www.siemens.com/automation/mall> (Industry Mall Online-Help System)

I IA&DT/Software licenses/En 02.12.09



## Alphabetical index

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Just copy and fill out the form and fax it to us. We will deliver immediately!

## Fax order form

**To:**

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(Address "Contact person")

Fax No.

## Contact partners

[illegible]

The Conditions of Sale and Delivery apply in accordance with the catalog / price list of your contact partner.

**Company address (company stamp):**

|                           |
|---------------------------|
| Company number (if known) |
| Company/Dept.             |
| Street, No.               |
| Postal code/City          |
| Contact partners          |
| Tel. No./Fax              |
| Customer Order No.: ..... |
| Date                      |

**Delivery address (if different):**

---

Company/Dept.

---

Street, No.

---

Postal code/City

---

Comments

---

**Desired delivery date:** .....

---

Signature

## Conditions of sale and delivery

### Export regulations

#### Terms and Conditions of Sale and Delivery

By using this catalog you can acquire hardware and software products described therein from Siemens AG subject to the following terms. Please note! The scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following terms apply exclusively for orders placed with Siemens AG.

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The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches only apply to devices for export.

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The prices are in € (Euro) ex works, exclusive packaging.

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The surcharge will be calculated on the basis of the official price on the day prior to receipt of the order or prior to the release order.

The metal factor determines the official price as of which the metal surcharges are charged and the calculation method used. The metal factor, provided it is relevant, is included with the price information of the respective products.

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(for customers based in Germany)
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or download them from the Internet

<http://www.siemens.com/automation/mall>

(Germany: Industry Mall Online-Help System)

#### Export regulations

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According to current provisions, the following export regulations must be observed with respect to the products featured in this catalog / price list:

|      |  |
|------|--|
| AL   | <p>Number of the <u>German Export List</u></p> <p>Products marked other than "N" require an export license.</p> <p>In the case of software products, the export designations of the relevant data medium must also be generally adhered to.</p> <p>Goods labeled with an "<u>AL" not equal to "N"</u>" are subject to a European or German export authorization when being exported out of the EU.</p> |
| ECCN | <p><u>Export Control Classification Number</u></p> <p>Products marked other than "N" are subject to a reexport license to specific countries.</p> <p>In the case of software products, the export designations of the relevant data medium must also be generally adhered to.</p> <p>Goods labeled with an "<u>ECCN" not equal to "N"</u>" are subject to a US re-export authorization.</p>            |

Even without a label or with an "AL: N" or "ECCN: N", authorization may be required due to the final destination and purpose for which the goods are to be used.

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I IA/DT/VuL\_ohne MZ/En 12.05.09



## Industry Automation, Drive Technologies and Low Voltage Distribution

Further information can be obtained from our branch offices listed in the appendix or at [www.siemens.com/automation/partner](http://www.siemens.com/automation/partner)

|   |          |                |  |
|---|----------|----------------|--|
| <b>Interactive Catalog on DVD</b>   |          | <i>Catalog</i> |  |
| for Industry Automation, Drive Technologies and Low Voltage Distribution                                    |          | <b>CA 01</b>   |  |
| <b>Drive Systems</b>  |          |                |  |
| <u>Variable-Speed Drives</u>  |          |                |  |
| SINAMICS G110, SINAMICS G120  | D 11.1   |                |  |
| Standard Inverters  |          |                |  |
| SINAMICS G110D, SINAMICS G120D  |          |                |  |
| Distributed Inverters   |          |                |  |
| SINAMICS G130 Drive Converter Chassis Units   | D 11     |                |  |
| SINAMICS G150 Drive Converter Cabinet Units   |          |                |  |
| SINAMICS GM150, SINAMICS SM150  | D 12     |                |  |
| Medium-Voltage Converters   |          |                |  |
| SINAMICS S120 Chassis Format Units and Cabinet Modules  | D 21.3   |                |  |
| SINAMICS S150 Converter Cabinet Units   |          |                |  |
| <u>Three-phase Induction Motors</u>   |          | D 84.1         |  |
| <ul style="list-style-type: none"> <li>• H-compact</li> <li>• H-compact PLUS</li> </ul>                     |          |                |  |
| Asynchronous Motors Standardline  | D 86.1   |                |  |
| Synchronous Motors with Permanent-Magnet Technology, HT-direct  | D 86.2   |                |  |
| DC Motors   | DA 12    |                |  |
| SIMOREG DC MASTER 6RA70 Digital Chassis Converters  | DA 21.1  |                |  |
| SIMOREG K 6RA22 Analog Chassis Converters   | DA 21.2  |                |  |
| <i>PDF: SIMOREG DC MASTER 6RM70 Digital Converter Cabinet Units</i>   | DA 22    |                |  |
| SIMOVERT PM Modular Converter Systems   | DA 45    |                |  |
| SIEMOSYN Motors   | DA 48    |                |  |
| MICROMASTER 420/430/440 Inverters   | DA 51.2  |                |  |
| MICROMASTER 411/COMBIMASTER 411   | DA 51.3  |                |  |
| SIMOVERT MASTERDRIVES Vector Control  | DA 65.10 |                |  |
| SIMOVERT MASTERDRIVES Motion Control  | DA 65.11 |                |  |
| Synchronous and asynchronous servomotors for SIMOVERT MASTERDRIVES  | DA 65.3  |                |  |
| SIMODRIVE 611 universal and POSMO   | DA 65.4  |                |  |
| SIMOTION, SINAMICS S120 and Motors for Production Machines  | PM 21    |                |  |
| SINAMICS S110   | PM 22    |                |  |
| The Basic Positioning Drive   |          |                |  |
| <u>Low-Voltage Three-Phase-Motors</u>   |          |                |  |
| IEC Squirrel-Cage Motors  | D 81.1   |                |  |
| MOTOX Geared Motors   | D 87.1   |                |  |
| <u>Automation Systems for Machine Tools SIMODRIVE</u>   |          | NC 60          |  |
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| <u>Automation Systems for Machine Tools SINAMICS</u>  |          | NC 61          |  |
| <ul style="list-style-type: none"> <li>• Motors</li> <li>• Drive System SINAMICS S120</li> </ul>            |          |                |  |
| <u>Drive and Control Components for Hoisting Equipment</u>  |          | HE 1           |  |
| <u>Mechanical Driving Machines</u>  |          |                |  |
| Flender Standard Couplings  | MD 10.1  |                |  |
| <b>Electrical Installation Technology</b>   |          |                |  |
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| <i>PDF: DELTA Switches and Socket Outlets</i>   | ET D1    |                |  |
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| <b>Motion Control</b>   |          | <i>Catalog</i> |  |
| SINUMERIK & SIMODRIVE   |          | NC 60          |  |
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| <b>Low-Voltage</b>  |          |                |  |
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| Field Instruments for Process Automation  |          | FI 01          |  |
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| Process Analytical Instruments  |          | PA 01          |  |
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| SIMATIC PCS 7 Process Control System  |          | ST PCS 7       |  |
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| <b>SIMATIC NET</b>  |          |                |  |
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| Applications and Products for Industry are part of the interactive catalog CA 01                            |          |                |  |
| <b>TELEPERM M Process Control System</b>  |          |                |  |
| <i>PDF: AS 488/TM automation systems</i>  |          | PLT 112        |  |

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