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SIEMENS DIGITAL INDUSTRIES

Factory Automation Toolbox

South Africa

Siemens is a technology company that focuses on industries that form the backbone of economies – manufacturing, infrastructure, and transport. Digital Industries is an innovation and technology leader in industrial automation and digitalization. In close cooperation with our partners and customers, we are the driving force for the digital transformation in the discrete and process industries

What matters to you!

Factory Automation

The scalable portfolio of the SIMATIC family ensures an optimal solution for every application area. Take advantage of the system's end-to-end consistency together with integrated engineering in the TIA Portal. It will help you substantially reduce your costs and time to market.

Tools and Platforms

TIA SELECTION TOOL

Do you always need the optimum configuration for planning your project? Of course you do! For your application we offer the TIA Selection Tool to support all project planners, beginners and experts alike. No detailed portfolio knowledge is necessary. TIA Selection Tool is available for download as a free desktop version or a cloud variant.

[Access Now](#)

TOTALLY INTEGRATED AUTOMATION PORTAL(TIA)

Totally Integrated Automation Portal (TIA Portal) gives you unrestricted access to the complete range of digitalized automation services, from digital planning to integrated engineering and transparent operation. Shorten your time to market with the aid of simulation tools, boost the productivity of your plant using additional diagnostic and energy management functions, and increase flexibility via connections to the management level.

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Additional Information

SIEMENS INDUSTRY ONLINE SUPPORT (SIOS)

The Online Support offers you a number of useful functions for finding your information in a quick and targeted way. They support you in your search and help you save valuable time.

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SIEMENS PRODUCTS & SERVICES

Siemens is a global technology powerhouse that brings together the digital and physical worlds to benefit customers and society.

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SIEMENS MARKET-SPECIFIC SOLUTIONS

With our established and comprehensive knowledge of markets, we can offer you the best and most appropriate products, services, and solutions that can effectively and efficiently be used in your market.

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FACTORY AUTOMATION

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Process Automation Toolbox

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What matters to you!

Process Automation

If you want to make your process plant more competitive, process control is an absolute must. It sets the pace. It controls, regulates, visualizes, and monitors processes so that your plant operates reliably and efficiently. Choose the solution that's perfectly tailored to your industry and requirements: process control from Siemens. For flexibility, reliability, highest efficiency, and investment protection throughout the plant's lifecycle.

Tools and Platforms

TIA SELECTION TOOL

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PROCESS INSTRUMENTATION PORTAL

The new portal provides the appropriate functionality in all stages of the Product Life Cycle for products of Process Instrumentation and Analytics. The application guides you through Engineering & Selection, supports you at the Order and provides tools and information for Installation and Operation

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PROCESS CONTROL

The SIMATIC PCS 7 and SIMATIC PCS neo process control systems offer you the optimal, integrated, and reliable solution you need to master the challenges of today and tomorrow.

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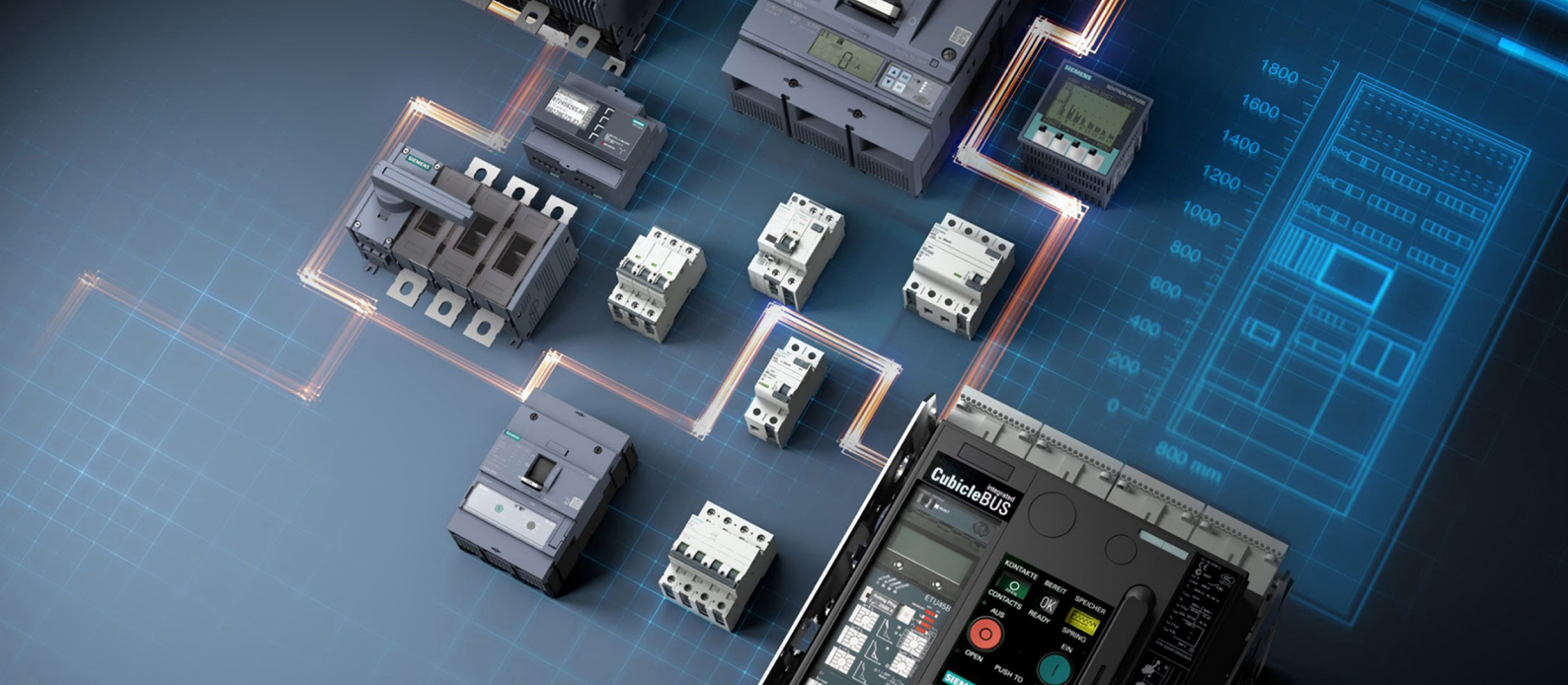
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Electrical Products Toolbox

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What matters to you!

Electrical Products

Automated buildings and industrial processes, regarding energy efficiency, and changed load conditions are currently having a significant impact on electrical power distribution. Combined with increasingly stringent standard requirements, the planning of the electrical energy distribution becomes more complex. At the same time, project cycles are speeding up considerably in switchgear and machine building as well as in electrical installation. Our components ensure a fail-safe power supply and can be seamlessly integrated in comprehensive energy efficiency concepts as well as in building and industrial automation.

Tools and Platforms

LOW VOLTAGE EXPLORER

Whether in industry, infrastructure, or buildings: Each environment is dependent on a reliable power supply. Which is why products and systems featuring maximum safety and optimum efficiency are in demand. This comprehensive portfolio for low-voltage power distribution and electrical installation technology covers every requirement – from switchgear to the socket.

[Access Now](#)

PLANNING TOOLS

This overview offers tools that support you all the way from planning to operating electric power distribution systems. The tools are grouped according to the project phase where they are predominantly used.

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SIMARIS THERM

Free tool for temperature rise calculation
Excessive temperatures can significantly reduce the service life of components in control panels. Therefore temperature rise verification is essential and requested by the standard IEC 61439. We provide you with comprehensive support.

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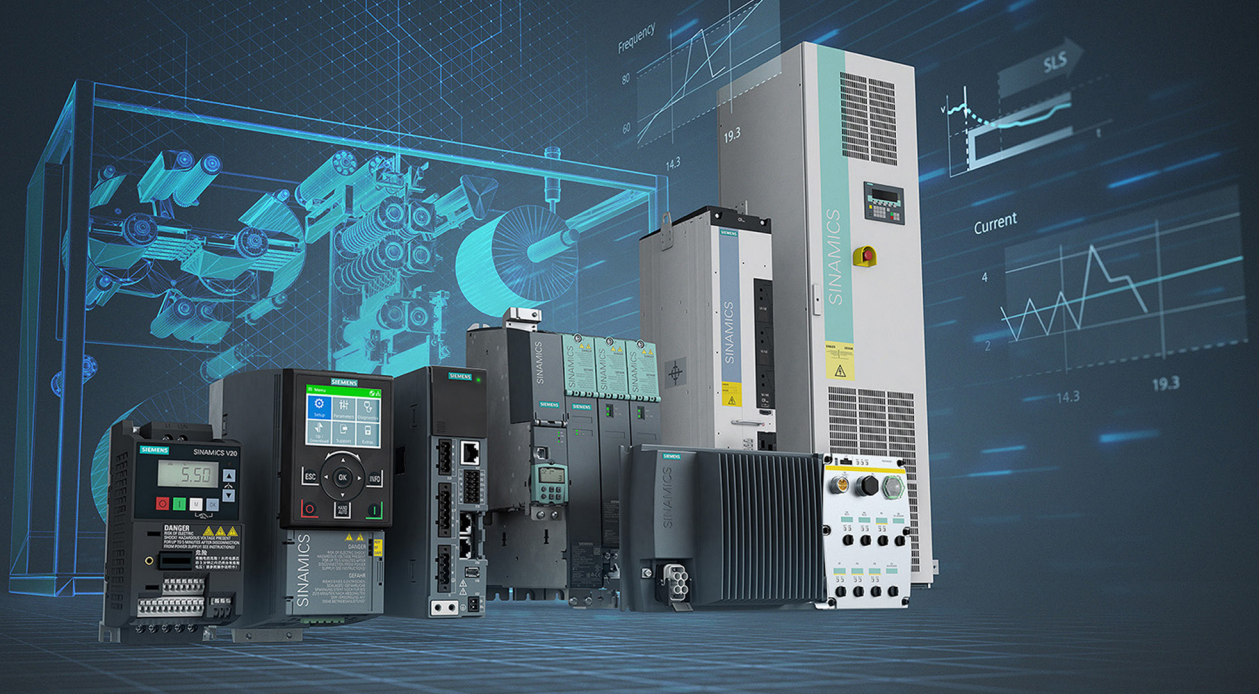
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ELECTRICAL PRODUCTS

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SIEMENS DIGITAL INDUSTRIES Motion Control Toolbox South Africa

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What matters to you!

Motion Control

A comprehensive portfolio of reliable frequency converters, motors, couplings and gearboxes for almost every industry and field of application satisfies the highest performance standards and quality requirements. New interfaces and modules ensure drive components are ready for digitalization. The components are perfectly coordinated and can be used both as a standard system and as a customized solution to meet your individual needs.

Tools and Platforms

SIZER

Drive system engineering for single- and multiple axis applications to provide step-by-step support in defining the mechanical system and dimensioning of frequency converters, motors, geared motors and open-loop/closed loop control functions as well.

[Access Now](#)

DT CONFIGURATOR

Selection and configuration of frequency converters, motors, geared motors as well as controls. Guided support to find the appropriate product according to your needs.

[Access Now](#)

TIA STARTDRIVE

The Totally Integrated Automation Portal (TIA Portal) is the engineering software for industrial automation. TIA Portal contains SINAMICS Startdrive for intuitive integration of SINAMICS drives in automation. The same operator control concept, the elimination of interfaces and a high degree of user-friendliness make it possible to quickly integrate SINAMICS into an automation process and start it up with the TIA Portal.

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Innovation in the Classroom

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Training Academy Toolbox South Africa

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What matters to you!

SITRAIN – Digital Industry Academy

Today's demands on our knowledge are every bit as diverse and dynamic as our profession itself. We keep learning more and longer – for our work, for our career, and for ourselves. Advancing digitalization entails new topics, and is also changing the way we absorb and process knowledge. SITRAIN – Digital Industry Academy offers the right source of knowledge here, which we can use anytime in just the way we need it. The time for industrial learning is now.

Tools and Platforms

SITRAIN TRAINING ACADEMY

All of us want to learn from the best and SITRAIN personal's training courses let you benefit from our well-practiced trainers' expert knowledge, along with direct access to our training equipment. That's the best way to convey knowledge – whether on-site at your company or in our training centres.

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ONLINE TRAINING COURSES

Web based, interactive, instructor led training.

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SITRAIN ACCESS

SITRAIN access is the digital learning platform for industry. It facilitates digital, innovative learning and professional education in all sectors. It's online, flexible, continuous, and personalized. Our knowledge offerings are curated by our experts, arranged in modular form, and can be accessed to suit your own requirements. SITRAIN access provides you with the flexibility to learn at your pace, where and whenever you can.

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