

An aerial, top-down view of various Siemens SIRIUS modular electrical components, including circuit breakers, terminal blocks, and relays. The components are arranged on a dark surface with a glowing blue grid and dashed lines. Numerous digital overlays and labels are scattered across the scene, including certification logos like IECEx, EAC, CE, UL, and CCC, as well as technical specifications such as 'E05-GND', '4G2.5 mm', and 'ND-T'. A schematic diagram is visible in the lower right, showing a motor (M) connected to a three-phase supply (3~) through a terminal block (U1, V1, W1) and a circuit breaker (F3).

SIEMENS
Ingenuity for life

Efficiently combined

The SIRIUS Modular System combines digital planning and compliance to industry standards while meeting your needs for any application

usa.siemens.com/controls

Mastering day-to-day challenges in panel building with the SIRIUS Modular System



Fast



Cost-effective



Standard-compliant



For a wide range of different applications and market requirements



Everything has to be done faster and faster. The trend toward digitalization is increasing pressure on the industry to reduce its time-to-market while also sustaining production processes which are more flexible and more efficient while retaining the same quality, if not higher. Control cabinet manufacturers, too, have to keep in step with the trend and speed up their development – while also becoming more cost-effective so they can meet the demands of increasing competition. Stricter standards and guidelines make these challenges even tougher.

The perfect combination

If the requirements placed on switching, protecting, starting and monitoring are to be met, components for the control cabinet need to be more than just effective. They should also facilitate the fast, cost-effective and standard-compliant planning and construction of industrial control panels for any kind of application and market requirement. This can be achieved with the perfect combination of the right controls. With its 45,000 combination checks, the SIRIUS

Modular System undergoes particularly thorough testing and has also proved itself in practice so that you can be sure of stress-free engineering and development.

It doesn't matter whether you:

- need data provision for your CAE systems or extensive planning tools to support your digital workflows
- want to combine a portfolio with global reach with nationally-applicable standards
- want tested, coordinated combinations of controls for extreme conditions
- or are looking for easy-to-install and easy-to-operate equipment as well as a comprehensive portfolio.

Thanks to the combination options offered by the SIRIUS Modular System, we have created the perfect solution for any kind of application and have also been able to simplify workflows and speed up planning processes.

Pure functionality



The protection and switching devices of the SIRIUS Modular System provide the best performance on the market in terms of their size, thereby saving valuable space in the control cabinet. Types of coordination 1 and 2 together with a tested short circuit current rating up to 100 kA/600V ensure a high level of system availability, while the pre-assembled combination starters mean that you save time with configuration, ordering and assembly. In addition, SIRIUS components always comply with current standards and meet the latest market requirements, making them ready for IE3/IE4.

The SIRIUS Modular System covers the widest range of different applications and is fit to face the future.

Functional diversity and variance for covering a whole range of applications

- Portfolio with a global reach from infeed to motor, including conformity with regional standards
- Extremely wide range of applications such as pumps, fans or compressors:
 - Covers all standard tasks
 - Suitable for extreme applications
- Maximum reliability:
 - The most extensively certified portfolio of all competitors (45,000 combination checks for modular systems)
 - Tried and tested products thanks to over 100 years of experience and an annual production of over one million switching devices
- Permanent continuous development means innovation and equipment that is fit for the future (IE3/IE4 motors, electronic and hybrid starting)

New: innovated
size S3 75 HP,
70 mm wide

Proven system characteristics



The strength of this system is its modular structure across all sizes. It covers all kinds of applications thanks to an extensive range of accessories. Plug-in function modules for AS-i and IO-Link reduce the amount of wiring work, and the optional bundling of up to four feeders per IO-Link channel reduces space requirements. Feedback from the combination starter ensures enhanced transparency; connection to an energy management system is also possible. Various monitoring functions coupled with preventive maintenance boost system availability.

The modular system helps to achieve more transparency and greater efficiency.

- Coordinated control cabinet product portfolio (everything fits together: combinable, modular and consistent throughout all performance classes)
- Space-saving
- Simple installation and operation
- Integration into automation systems, simple data exchange with automation systems
- Simple stock-keeping (thanks to standardized accessories)
- Reliable system monitoring
- High operational reliability
- Sustainable (e.g. multi-unit packaging)

From Siemens, a pioneer in the field of switching devices (with over 100 years of experience)

Efficient planning and configuration



Thanks to digitalization, we can offer control cabinet manufacturers benefits in planning and engineering: Comprehensive data including 3D models and macros for the leading CAE systems enable simple and error-free configuration and system documentation. The components in the SIRIUS Modular System comply with standards and are tested for use in extreme conditions, which means they can be used for all kinds of applications anywhere in the world. You can even combine the devices in variable-speed applications.

The SIRIUS Modular System combines digital planning and standard-compliant implementation of your requirements.








































- Little planning work (consulting and know-how regarding applications, processes, standards)
- Simple engineering:
 - 2D and 3D digital planning (CAx macros for CAE tools), standardized data for the electronic exchange of product data
 - TIA selection tool, configurator, Mall
- Consulting and support with on-site personal contacts (engineering, standards and guidelines, application know-how, rearrangement of current control cabinet layout)
- Service ability:
 - Data matrix code (simplified system planning, documentation and maintenance thanks to optical identification system on the switching device itself)
 - Fast and easy access to extensive documentation in Siemens Industry Online Support
- Simple heat calculations (e.g. SIMARIS Therm)
- Easy conversion to the innovated sizes

In an increasingly digitalized world, Siemens offers backup services for control cabinet planning with extensive know-how, tools and data as well as coordinated products. The result: holistic support during the engineering and construction of panels. More information at:

usa.siemens.com/controlpaneldesign

Products/ portfolio

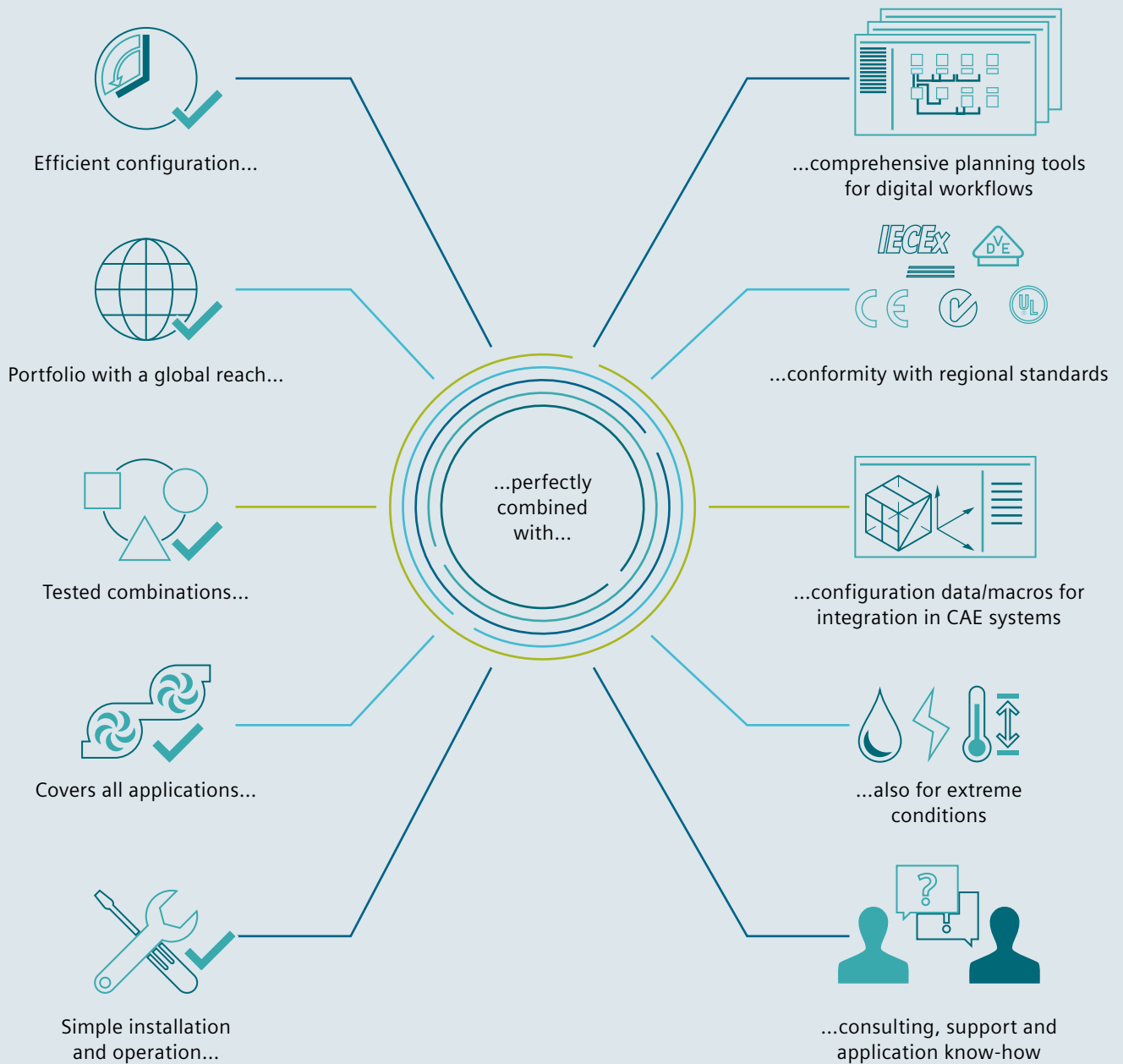
The SIRIUS Modular System offers everything you need for switching, protecting, starting and monitoring motors and systems: a modular range of standard components up to 400 HP/480V in only seven sizes.

		S00	S0	S2	S3 (new)	S6	S10	S12	
Main circuit	Switching	1							
	Starting	2							
		3							
		4							
	Protecting	5							
		6 Thermal							
		7 Electronic							
	Monitoring	8							
	Control circuit	9							

- 1) Contactors
- 2) Soft starters
- 3) Combination starters
- 4) Compact starters, motor starters
- 5) Circuit breakers, motor starter protectors

- 6) Thermal overload relay
- 7) Electronic overload relay
- 8) Current monitoring relay
- 9) Function and communication modules

The perfect combination – for every application



Siemens Industry, Inc.

100 Technology Drive
Alpharetta, GA 30005

1-800-365-8766

info.us@siemens.com

Subject to change without prior notice

All rights reserved

Order No.: CPBR-SIRM2-0317

Article No.: DFCEP-B10095-00-7600

Printed in USA

© 2017 Siemens Industry, Inc.

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.