



Efficiently combined SIRIUS modular system

Sales slides

Switching and protecting—all sizes updated!


































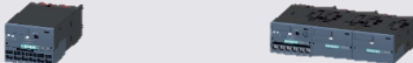
Efficiently combined from S00 to S12 (up to 250 kW)



The SIRIUS modular system

All sizes updated – largest selection of switching devices available on the market with the greatest number of combination tests and approvals

SIRIUS modular system

			3 kW / 400 V		Size				250 kW / 400 V		
	Function	Products	S00	S0	S2	S3	S6	S10	S12		
Main circuit	Switching	Contactors									
		Solid-state contactors									
		Soft starters									
		Load feeders									
	Compact starter										
	Protecting	Motor starter protectors, Circuit breakers									
		Overload relays	thermal								
			electronic								
		Monitoring	Current monitoring relays								
Control circuit		Function and communication modules									

SIRIUS

Top highlights of the SIRIUS modular system

Modular design

Optimally matched and dimensioned products expandable with uniform accessories



Space saving

Highest performance on the market based on installation size



Order pre-assembled

Ready-made and tested combinations with short-circuit strength up to 150 kA/400 V



Quick wiring

Most extensive spring loaded connection system on the market
Function blocks for reversing and star-delta (wye-delta) starters and connectors



Efficient configuration

Configuration data and macros for integration into your CAE systems



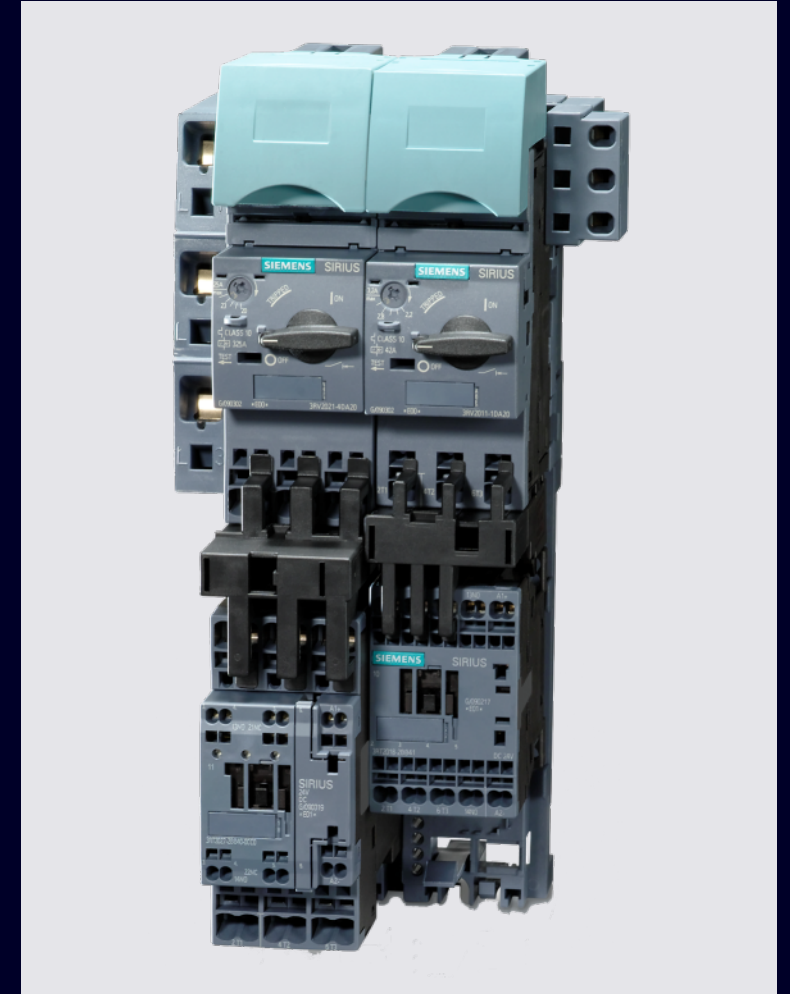
Worldwide use

Fulfills all relevant standards and approvals worldwide, also for extreme conditions (e.g. safety, rail and shipping) and is IE3/IE4 ready



Modular configuration and extremely simple mounting

Feature / function		Benefits
<ul style="list-style-type: none">• Maximized combination options within a single width for protection/ switching and monitoring devices	>	<ul style="list-style-type: none">• Very simple configuration and planning reliability
<ul style="list-style-type: none">• Spring loaded terminals (S00 and S0 main and control circuits up to 18.5 kW / 400 V, from S2 in the control circuit)• Design of starters with plug-in connections• Plug-in function modules	>	<ul style="list-style-type: none">• Reduced wiring overhead• Maintenance-free spring loaded terminals• Avoidance of assembly errors
<ul style="list-style-type: none">• Flexible infeed system for all S00/S0 feeders up to 15 kW / 400 V	>	<ul style="list-style-type: none">• Extremely fast/simple mounting• Enhanced plant availability thanks to extremely fast replacement (hot swapping) when maintenance is needed
<ul style="list-style-type: none">• Uniform accessories	>	<ul style="list-style-type: none">• Reduced complexity and warehousing



Everything points to the SIRIUS modular system with spring loaded terminals

Spring loaded system is tested and standard-compliant.



Strong



Flexible



No wire end ferrules need to be pressed on.



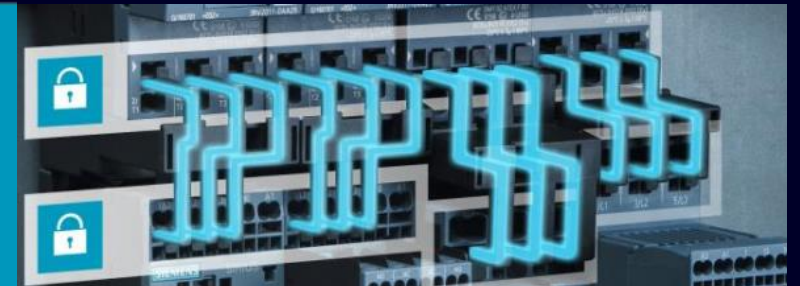
And save up to 33% of installation costs!



Fast



Safe



Extremely secure mounting, no more re-tightening needed!

Numerous advantages – no disadvantages: You get a modern spring loaded terminal system for the **same price** as the conventional screw-type system!

A host of functions in the smallest of spaces

Feature / function		Benefits
<ul style="list-style-type: none">• Compact width with high power, e.g. S3 with 70 mm 55 kW/400 V	>	<ul style="list-style-type: none">• Save money and space
<ul style="list-style-type: none">• Types of coordination 1 and 2 available for all starter combinations• Tested short-circuit strength up to 150 kA/400 V	>	<ul style="list-style-type: none">• High plant availability
<ul style="list-style-type: none">• Pre-assembled load feeders for direct-on-line reversing and star-delta (wye-delta) starters	>	<ul style="list-style-type: none">• Time savings when configuring, ordering and assembling
<ul style="list-style-type: none">• IE3/IE4 ready	>	<ul style="list-style-type: none">• Always up-to-date with regard to standards – easy configuration



Planning and configuration for worldwide applications

Feature / function

- **Configuration data** such as technical data sheets, certificates, 3D models, etc.
- **Data and macros for the leading CAE systems** (E-Plan, AutoCAD, WS-CAD)

Benefits

- Easy and fault-free **configuration**
- Quick and easy **documentation at the push of a button**

- **Fulfills standards and approvals worldwide, also for extreme conditions** (e.g. safety, rail and shipping)
- 50,000 tested **combinations**

- **Can be used worldwide for all applications**

- **Data sheets** in 10 languages

- Internationally available **technical specifications** updated daily

- Tested for **use with converters**

- Use in **variable-speed** applications



Plant monitoring with connection to the control

Feature / function		Benefits
<ul style="list-style-type: none">• Plug-on function modules for easy interfacing to AS-i or IO-Link	>	<ul style="list-style-type: none">• Optimum integration in the automation environment (TIA)• Reduced wiring
<ul style="list-style-type: none">• Monitoring of e.g.:<ul style="list-style-type: none">• Overcurrent/undercurrent• Cable break/phase failure	>	<ul style="list-style-type: none">• Application monitoring and preventive maintenance for high plant availability
<ul style="list-style-type: none">• Feedback on diagnostic/status information from the load feeder, e.g.:<ul style="list-style-type: none">• Voltage• Contact welding• ON/OFF feedback	>	<ul style="list-style-type: none">• Enhanced transparency for each feeder in the control system• Interfacing to energy management systems possible
<ul style="list-style-type: none">• Bundling of up to 4 feeders per IO-Link channel	>	<ul style="list-style-type: none">• Low space requirements and no more parallel wiring to the control



Target industries/applications

Even suitable for deployment under harsh conditions



Applications with harsh industrial conditions (e.g. dust, contamination and explosion protection)

- Thanks to increased contact reliability for auxiliary contacts
- Motor protection devices (circuit breakers/MSPs, overload relays) are ATEX and, in some cases, IECEx-certified



Applications with vibrations and shocks

- Thanks to use of spring-type terminals, up to 18.5 kW for 45 mm width in the main and control circuits
- From size S2, spring-type terminals in the control circuit










Applications in which plant availability is the number one priority

- Current monitoring integrated directly in the feeder, control and diagnostics capability by direct connection to the control via IO-Link or AS-Interface

Overview of performance data for all sizes

Current and power [3RT, 3RV, 3RB]

Size	Current/power	
S00 (45 mm)		<div>3 – 7.5kW</div> <div>0,1 - 16A</div>
S0 (45 mm)		<div>4 – 18.5kW</div> <div>0.45 - 40A</div>
S2 (55 mm)		<div>18,5 – 37kW</div> <div>9.5 - 80A</div>
S3 (70 mm)		<div>37 – 55kW</div> <div>28 - 100A</div>
S6 (120 mm)		<div>55 - 90kW</div> <div>50 – 200A</div>
S10 (145 mm)		<div>110 - 160kW</div> <div>55 – 630 A (3RB suitable for both S10 and S12)</div>
S12 (160 mm)		<div>200 - 250kW</div>



| More details...

[siemens.com/sirius-modular-system](https://www.siemens.com/sirius-modular-system)

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