

SIEMENS

The Booster for Control Cabinet Construction

SIRIUS innovations in the automotive industry

Everything matches: click 'n' ready

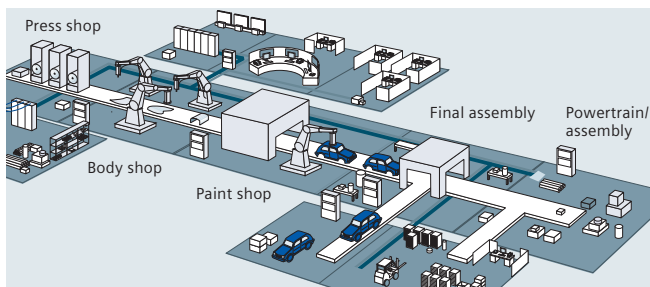
Pressing, punching, varnishing, assembling, transporting: These and similar tasks are typical of the automation industry, from bodyshell construction down to final assembly. The industrial controls for such automatic production plants are accommodated in central control cabinets. The SIRIUS innovations range represents the first choice for industrial control products. It comprises all functions required for the switching, protecting, starting and monitoring of systems and motors.

Whether in the form of direct-on-line, reversing or star-delta starters for self-assembly or as tested combination or complete solution with compact starter: The SIRIUS modular system perfectly meets all current market requirements for sizes S00 and S0 up to 40 A – thanks to rapid, flexible and space-saving control cabinet assembly.

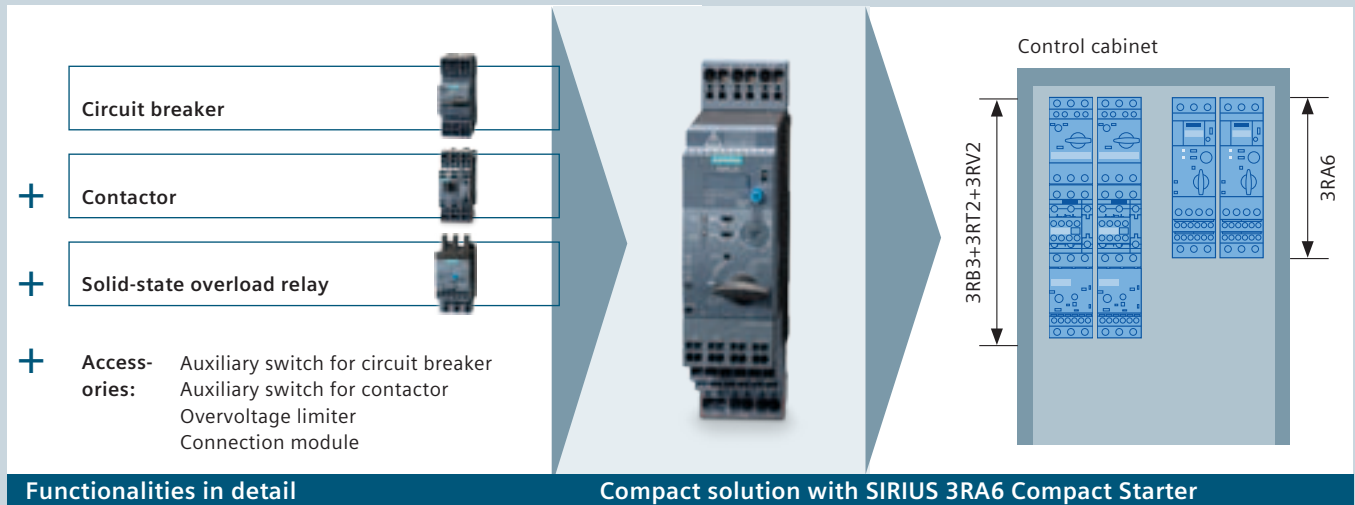
The advanced SIRIUS basic components offer numerous advantages. The perfectly matched devices can be flexibly combined and offer unprecedented ease of mounting: Plug-on, connect – click 'n' ready.

SIRIUS Innovations: Highlights at a glance

- **Reduced space requirements** in the control cabinet (spring-loaded connection system up to 18.5 kW with 45 mm width)
- **Communication connection** via AS-Interface or IO-Link
- **Reduced variance**
- **Modular assembly and rapid mounting**
- **New functions** such as monitoring and logic modules
- **Integration of current monitoring relays** in the modular system
- **Simplified engineering processes** thanks to CAX data at the push of a button: Easy configuration, mounting and commissioning
- **Increased energy efficiency** – drive solution with minimum power loss for fixed-speed drives
- **Optimum connection** to the automation environment (Totally Integrated Automation)



One SIRIUS Innovation: the 3RA6 Compact Starter



The SIRIUS 3RA6 Compact Starter unified as compact motor feeder in accordance to IEC/EN 60947-6-2, combines the functions of 3RV2 circuit breaker, 3RT2 contactor, 3RB3 overload relay and accessories.

The application of the SIRIUS 3RA6 Compact Starter in the control cabinet facilitates considerable space savings.

SIRIUS 3RA6 Compact Starter: Maximum efficiency and reliability in the control cabinet

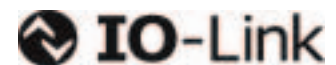
In engine plants of the automotive industry, automatic conveyor technology is frequently employed for the exact cycled and classified transportation of heavy workpieces from the foundry to the mechanical processing centers. The industrial controls for this automatic drive technology are accommodated in central control cabinets.

In this context, the SIRIUS 3RA6 Compact Starter suggests itself as the perfect solution. It reduces wiring expenditures as well as space savings and thus supports minimized overall costs, from configuration down to commissioning. Whether direct-on-line or reversing starting – the device combines the functions of a circuit breaker, a contactor and a solid-state overload relay in a single enclosure. Also accessories such as auxiliary switches or surge suppressors are already integrated.

The application of the Compact Starter by Siemens not only simplifies the realization of automatic transportation concepts in engine plants, but also saves time and costs.

Highlights of the 3RA6 Compact Starter at a glance

- **Space savings** in the control cabinet thanks to a single complete device
- **Minimum variance** thanks to large wide voltage and wide setting ranges (1:4)
- **High system availability** thanks to the announcement of the product lifetime, the number of switching cycles as well as weld-free contacts increased (thus resulting in increased safety for disconnection)
- **Efficient energy distribution** with the SIRIUS 3RA6 infeed system
- **Full integration in Totally Integrated Automation** thanks to optimum connection to AS-Interface or IO-Link



siemens.com/compactstarter

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Subject to changes 08/11
Order Number:
E20001-A220-P301-X-7600
Disposition unit 27600
SCHÖ/34708 SOAL.52.1.05 SB 08113.0
Printed in Germany
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