The world’s first contactor with direct activation

Save space and costs with powerful, innovative SIRIUS contactors, sizes S6 to S12

The size S6 to S12 range of tried and tested contactors from 100 to 400 HP (AC-3, 480V) has been expanded by versions suitable for direct control from fail-safe controllers. This makes the coupling level superfluous. The new contactors are also available with non-removable, lateral auxiliary switches to enable fulfilment of Swiss Accident Insurance Institute (SUVA) requirements.

The new contactors constitute the logical extension and further development of the SIRIUS modular system in the area of safe switching. They are the first contactors on the market which are equipped with an input for fail-safe signals. It is now possible to attain SIL CL2 with just one contactor, or SIL 3 with two contactors in series according to IEC 62061.

The big advantage of this solution is that it saves on additional, possibly positively-driven coupling relays and makes evaluation of the safety information considerably easier. This reduction in coupling relays is also a huge plus point for non-safety applications. Whereas previously space, money and wiring expertise were required in order to operate contactors with power ratings above 100HP using controllers, both functional and safety switching can now take place by direct activation.

Tools such as the Safety Evaluation Tool help you to quickly find the right contactor and safely configure your application.

Advantages at a glance

Digital input directly on board
- First contactor with certified, digital input for activation from fail-safe or standard controllers

Time and cost savings
- Additional coupling level superfluous
- Reduced wiring and configuration effort

Maximum safety level
- Certified input enables devices to be used up to the highest safety level (SIL 3 / PL e)

Everything from a single source
- Complements safety solutions of SIRIUS Modular System
Save space and costs with a direct connection to the controller – no need for coupling relays!

 Previously:
3RT1 size S6 for high motor outputs with standard PLC-IN
- Normal switching duty via standard IO and PLC-IN
- Safety-related tripping initiated by monitored coupling links
- Feedback of the two S6 size 3RT1 contacts and the coupling relays via standard IO

New:
3RT1 size S6 for high motor outputs with new contactor with fail-safe F-PLC-IN
- A1-A2 supplied via standard power supply (unit)
- Normal switching duty via F-DQ and F-PLC-IN
- Safety-related tripping via the same signal
- Feedback of the two S6 size 3RT1 via standard IO

The SIRIUS Modular System helps build safe applications. Our portfolio also includes a large number of other SIRIUS safety components which enable quick and easy setup for all your safety solutions:
- Safety relays (SIRIUS 3SK1, 3SK2)
- Accessories (Z connectors)
- SIRIUS 3RM1 motor starters and ET 200SP motor starters
- SIRIUS ACT command and signaling devices can be controlled by PROFINET and emergency stop

More information: usa.siemens.com/siriusmodularsystem

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