

Universal coupling relays with user-friendly connection and wide-range input

- **Sirius 3RQ2: New series of coupling relays for universal application reduces model diversity with wide-range input from 24 to 240 volt AC/DC**
- **High-grade industrial enclosure with user-friendly connection simplifies handling, installation, servicing and wiring**
- **Typical applications include galvanic isolation, signal amplification and voltage conversion as well as overvoltage and EMC protection**

Sirius 3RQ2 from Siemens is a new range of coupling relays with truly universal application scope. With their minimal mounting depth of 90 millimeters and wide-range power supply from 24 to 240 volts AC/DC, these relays are available in variants with between one and three changeover contacts. The Sirius 3RQ2 coupling relays are replacing the 3RS18 series, but with a drastically reduced number of variants due to the availability of a wide-range input. Use of the same terminal assignment and minimization of the variant options makes changeover to the new Sirius 3RQ2 coupling relay series both fast and simple to implement. The new relays are also designed for optimum coordination with Simatic S7 controllers and Sirius contactors. Typical applications include galvanic isolation, signal amplification and voltage conversion, for instance from 24 V DC to 230 V AC, as well as overvoltage and EMC protection for control systems. The Sirius 3RQ2 variants with hard gold-plated contacts for switching currents in the lower milliampere ranges are particularly suited for PLC inputs and outputs.

With its new, high-grade industrial-duty enclosure in titanium gray design, the new Sirius 3RQ2 coupling relay series blends in visually with the rest of the Sirius relay family. The user-friendly connection methods available offer a range of benefits such as simpler handling, installation, servicing and wiring. Connection is made particularly

convenient by the large terminal cross-section of up to four square millimeters and permanent wiring with removable screw-type or spring-type (push-in) terminals. The terminal covers are labeled to simplify wiring assignment, and a DataMatrix code enables easy access to services and support. An extensive array of international standards and certifications such as CE, UL/CSA and EAC makes the new coupling relay ideal for wide-ranging uses including railway applications.

Background information:

When standard controllers with standard inputs and outputs reach the limits of their capacity, coupling relays come into their own. They are used for the galvanic isolation of I/Os and PLC inputs and outputs, to amplify and reproduce signals or convert them to different voltage levels and signal forms. Coupling relays and interface converters for different requirements and applications are part of the extensive Sirius industrial controls portfolio from Siemens.



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This press release and a press picture are available from

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