



BASIC INFORMATION

Guarantee for a reliable I/O interface SIRIUS 3RQ4 coupling relays

The SIRIUS 3RQ4 coupling relays in a slimline design are optimally matched to the SIMATIC I/Os and SIRIUS actuators and thus enable extremely reliable coupling of the input and output signals of a control system. This means that these interfaces, which were often the weakest link in the control chain of an automated industrial plant, are now reliable and safe.



Innovative coupling relays for every application:

- Coupling relay with **integrated relay output** for demanding applications / environments
- Coupling relay with **integrated semiconductor output** for high switching frequency and high switching capacity as well as an unlimited service life
- Coupling relay with **plug-in relay** for quick replacement with fixed wiring

benefits

- **Made in Germany:**
High quality standard, short delivery routes from production to dispatch
- **Reliable interface** for SIMATIC I/Os
- **Increased system availability** thanks to semiconductor designs for high switching capacity and high switching frequency
- **Realizing sustainability goals** through sustainable products over the entire life cycle
- **Functional safety:** Safety-ready by defining a SIL level for applications with SIRIUS 3RQ4 coupling relays
- **Universal use** thanks to numerous international approvals and certificates (IEC, UL, CSA, EAC, ATEX, railroad, shipbuilding, etc.)
- **Flexible in use:** optionally available with screw- or spring-type connection with push-in technology; standardized accessories

Highlights

- Made in Germany
- Perfectly matched to the SIMATIC controllers
- Semiconductor variants with switching capacity up to 6 A and unlimited service life
- Sustainable design (EcoTech Label)
- Safety-ready (B10d available)
- ATEX approval
- Lacquered printed circuit board on request

Conversion of coupling relay predecessor 3RQ3 to successor 3RQ4

Predecessor		Successor		Predecessor		Successor	
Coupling relay with integrated relay output				Coupling relay with semiconductor output			
3RQ3018-□ AB00		3RQ4018-□ AB00		3RQ3050-□ SM50		3RQ4050-□ SM50	
3RQ3018-□ AE00		3RQ4018-□ AE00		3RQ3052-□ SM30		3RQ4052-□ SM30	
3RQ3018-□ AF00		3RQ4018-□ AF00		3RQ3052-□ SM40		3RQ4052-□ SM40	
3RQ3038-□ AB00		3RQ4038-□ AB00		3RQ3052-□ SM50		3RQ4052-□ SM50	
3RQ3038-□ AE00		3RQ4038-□ AE00		3RQ3053-□ SG30		3RQ4053-□ SG30	
3RQ3038-□ AF00		3RQ4038-□ AF00		3RQ3055-□ SM30		3RQ4055-□ SM30	
1	screw-type connection	1		3RQ3065-□ SM30		3RQ4128-□ AB30*	
2	spring-type connection (push-in)	2		3RQ3070-□ SB30		3RQ4070-□ SB30	
				3RQ3070-□ SG30		3RQ4070-□ SG30	
				1	screw-type connection	1	
				2	spring-type connection (push-in)	2	
Coupling relay with integrated relay output, hard gold-plated				Coupling relay with plug-in relay			
3RQ3018-□ AB01		3RQ4018-□ AB01		3RQ3118-□ AB00		3RQ4118-□ AB00	
3RQ3038-□ AB01		3RQ4038-□ AB01		3RQ3118-□ AE00		3RQ4118-□ AE00	
3RQ3038-□ AE01		3RQ4038-□ AE01		3RQ3118-□ AF00		3RQ4118-□ AF00	
3RQ3038-□ AF01		3RQ4038-□ AF01		3RQ3118-□ AM00		3RQ4118-□ AM00	
1	screw-type connection	1		1	Screw-type connection	1	
2	spring-type connection (push-in)	2		2	spring-type connection (push-in)	2	
Coupling relay with integrated relay output for railway standards				Coupling relay with plug-in relay and hard gold-plated			
3RQ3018-2AM08-OAA0		3RQ4018-2AM08-OAA0		3RQ3118-□ AB01		3RQ4118-□ AB01	
3RQ3018-2AM08-OAX0		3RQ4018-2AM08-OAX0		3RQ3118-□ AE01		3RQ4118-□ AE01	
3RQ3018-2AN08-OAA0		3RQ4018-2AN08-OAA0		3RQ3118-□ AF01		3RQ4118-□ AF01	
3RQ3018-2AN08-OAX0		3RQ4018-2AN08-OAX0		3RQ3118-□ AM01		3RQ4118-□ AM01	
				1	screw-type connection	1	
				2	Spring-type connection (push-in)	2	
Replacement modules for the coupling relays with plug-in relay				Connecting combs			
3TX7014-7BQ00 (DC 12 V, AD/DC 24 V)		3RQ4914-7BQ00*		3RQ3901-0A (2-pole)		3RQ4901-0A	
3TX7014-7BM00 (DC 24 V)		3RQ4914-7BM00		3RQ3901-0B (4-pole)		3RQ4901-0B	
3TX7014-7BM02 (DC 24 V), hard gold-plated		3RQ4914-7BM02		3RQ3901-0C (8-pole)		3RQ4901-0C	
3TX7014-7BP00 (DC 60 V, AC/DC 115/230 V)		3RQ4914-7BP00		3RQ3901-0D (16-pole)		3RQ4901-0D	
3TX7014-7BP02 (DC 60 V, AC/DC 115/230), hard gold-plated		3RQ4914-7BP02		Clip-on signs white			
				3RQ3902-0A (5 x 5 mm)		3RQ4902-0A	
				3RQ3902-0B (6 x 12 mm)		3RQ4902-0B	
* Plug-in relay with manual-0-automatic switch for switching between manual and automatic mode commissioning (without PLC)				Potential isolation plate			
				3RQ3900-0A		3RQ4900-0A	

Technical support and further information:

<http://www.siemens.com/support-services>

<http://www.siemens.com/IC10> (Chapter 5)

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