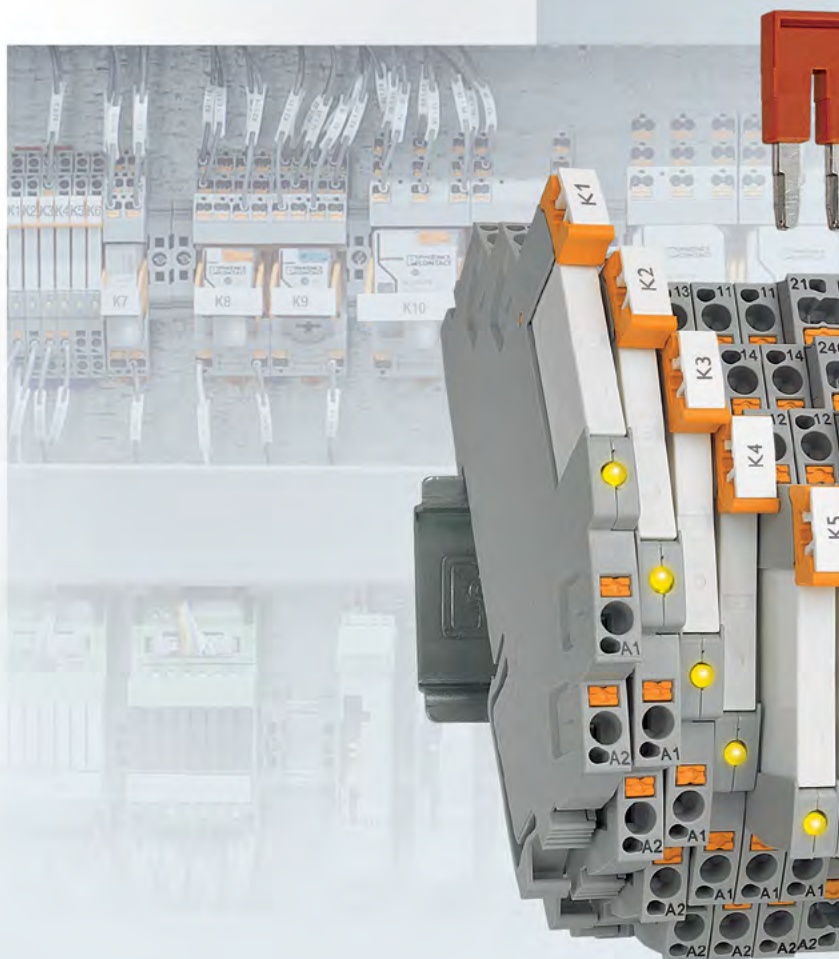


Easy handling – RIFLINE complete relay system

You can carry out all standard relay applications using the RIFLINE complete industrial relay system. It doesn't matter whether you want to isolate, multiply, or amplify signals.

The relay system, with a consistent plug-in design, ensures high machine and system availability. The areas of application range from coupling and timer relays to small power contactor replacements.



Easy handling in detail



Easy wiring

Push-in technology ensures quick wiring without the need for tools.



Easy potential distribution

Jumpers from the CLIPLINE complete system accessories enable simple potential distribution.



Easy to extend

Plug-in multifunctional timer modules provide easy system extension.

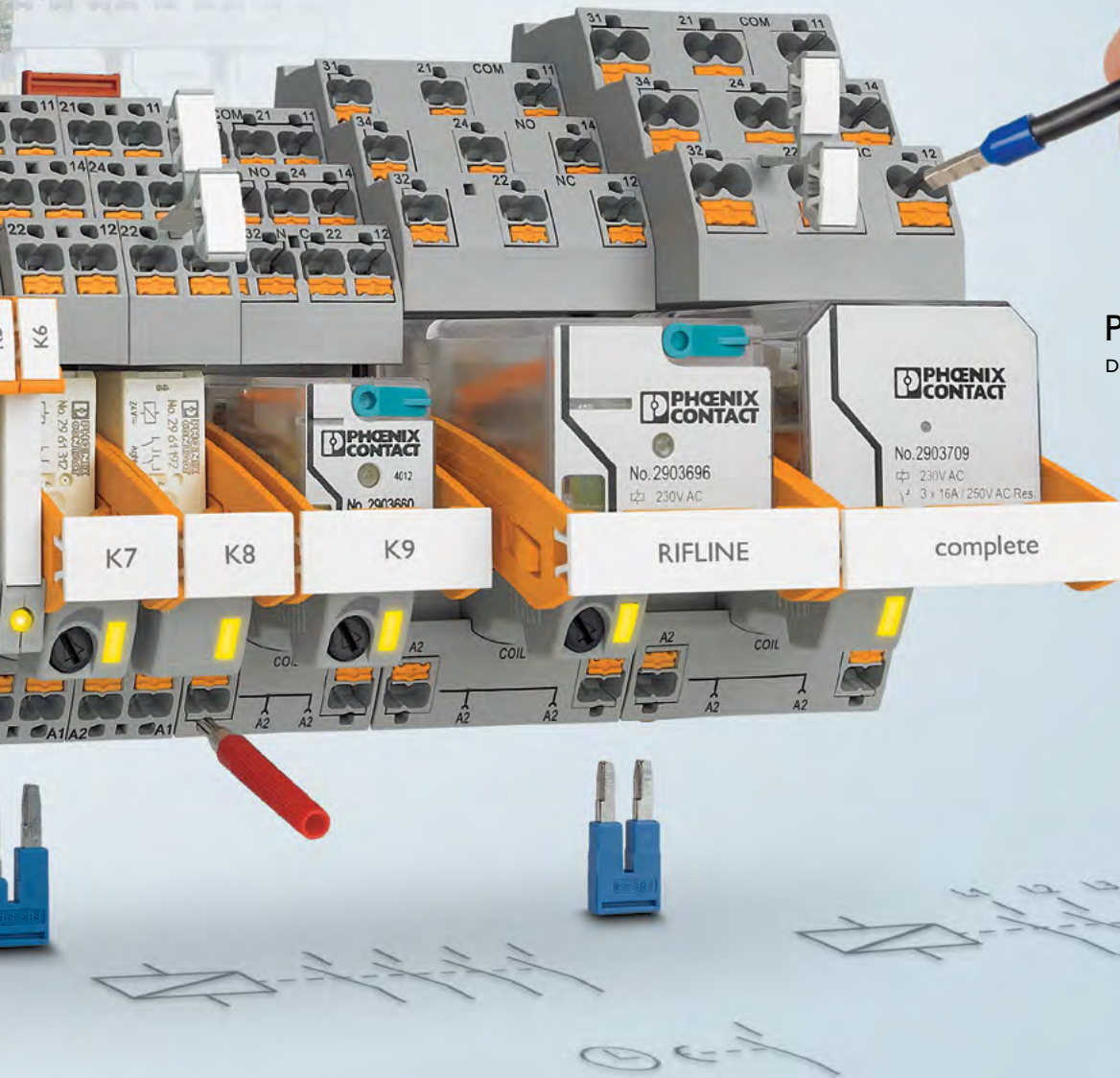
Three time functions can be selected in a time range from 0.5 seconds to 100 minutes.



Push-in technology

Utilize the proven push-in connection technology with RIFLINE complete. This ensures quick, tool-free wiring. The release button for releasing the conductor can be operated using a screwdriver or even a ballpoint pen.

Push-in Technology[®]
Designed by PHOENIX CONTACT



High availability with plug-in relays and function modules

Relays can be easily switched in the event of a service call, ensuring high machine and system availability.

Complete relay family

Switch currents up to 16 A with a range of products from coupling relays to small contactor replacements that offer the right relay for every application.

Applications at a glance

Thanks to the diverse range of RIFLINE complete products, a wide variety of applications can be implemented using the system. The relay can be extended as desired using function modules.

Multifunction timer module

The multifunction plug-in timer module for 24 V transforms the relay module into a timer relay. The RIF-1 to RIF-4 bases can be fitted with this module.

Three time functions can be selected in a time range from 0.5 seconds to 100 minutes.



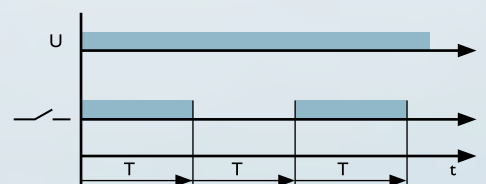
Switch-on delay



Passing make contact



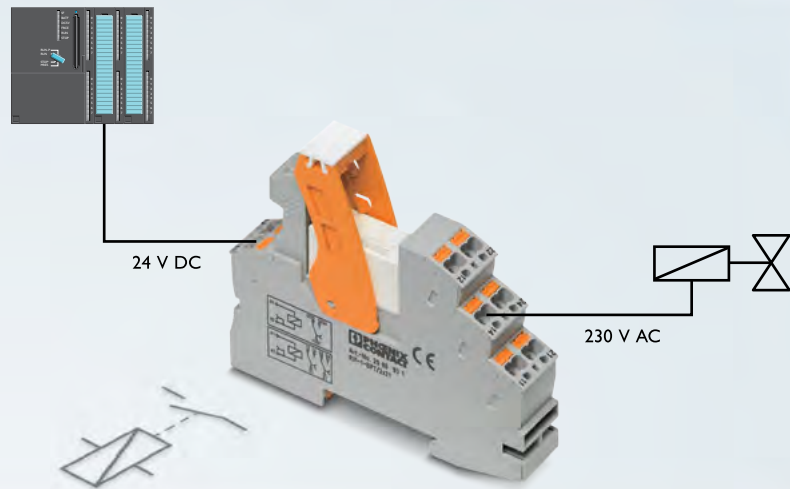
Flasher unit



From the coupling relay to the small power contactor replacement

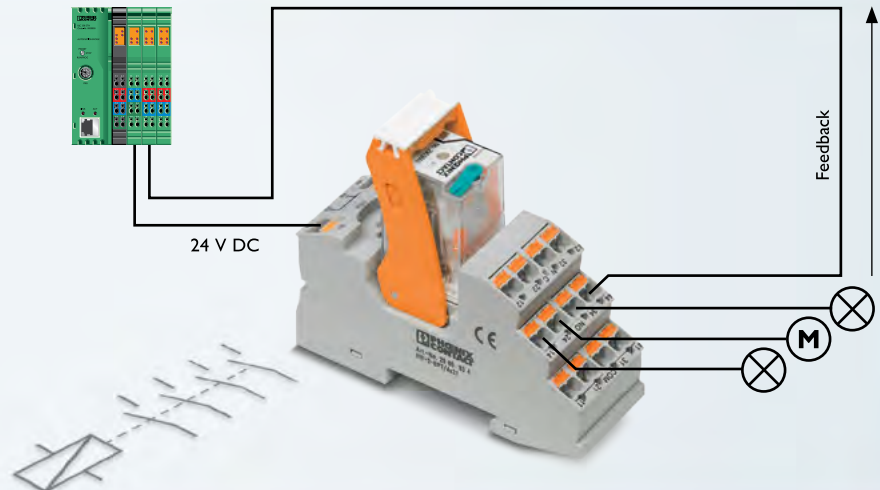
Coupling relays between the controller and the field

The RIF-0 and RIF-1 relay modules are used to reliably couple signals between the controller and the field. As such, power is amplified, voltages are adjusted, or signals are electrically isolated.



Relays for signal multiplication

The RIF-2 relay modules are particularly suitable for applications in which a high number of contacts is required. A feedback signal to the controller can be switched in parallel with different loads.

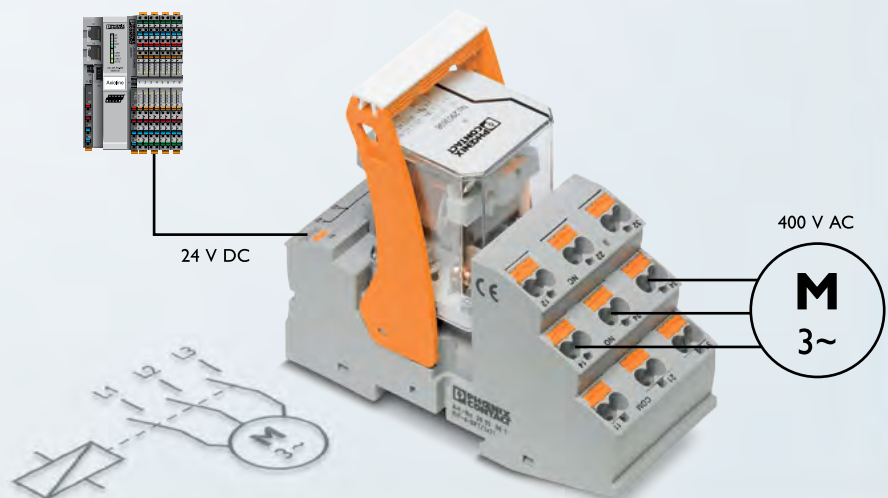


From the power relay to the small power contactor replacement

The RIF-4 relay modules can be used in small power contactor applications due to their high switching capacity.

The benefits in comparison with contactors are:

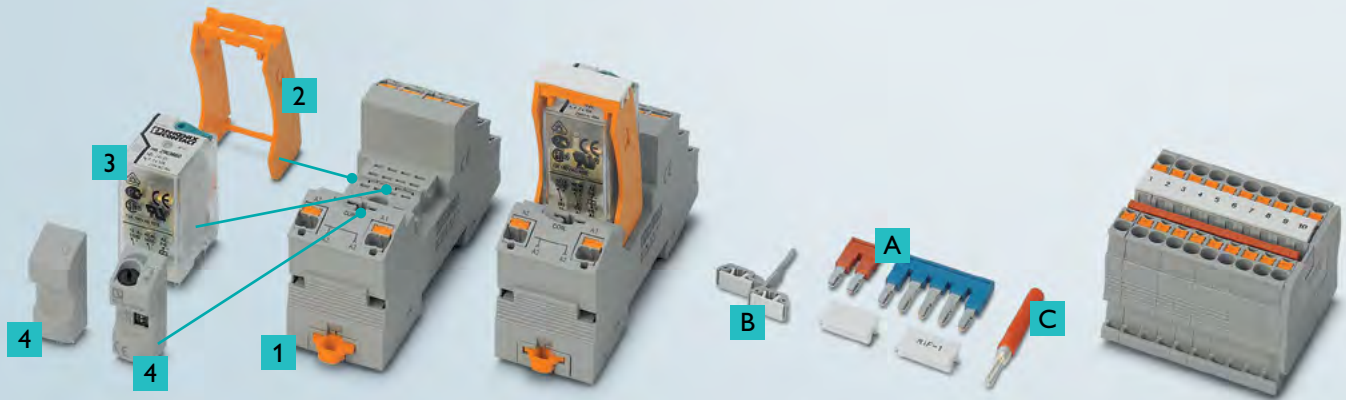
- Easy maintenance with plug-in capability
- Operating indicator via status LED
- Inexpensive
- Quick installation with bridgeability and push-in connection



Modular relay system – RIFLINE complete for maximum flexibility and cost efficiency

You can decide for yourself whether you want to assemble RIFLINE complete individually, or order it already assembled as a complete module. All components in the modular system

can be ordered individually depending on the application. This also includes relays that are available for a variety of voltages and applications.



RIFLINE complete modular system

1. Relay base
 2. Retaining bracket
 3. Relay
 4. Protective circuit
- OR**

Timer module (RIF-T3-24UC, Order No. [2902647](#))
for RIF-1 to RIF-4 modules with 24 V input voltage

Standardized accessories

RIFLINE complete uses the standardized accessories of the CLIPLINE complete modular terminal block system, including:

A: Bridging material

B: Marking accessories such as zack marker strips and marker carriers

C: Test plugs

Configuration made easy with CLIP PROJECT








Easily configure the terminal strips and components for your control cabinet using CLIP PROJECT – and prepare corresponding markings at the same time. The planning software also supports you in selecting the correct accessories and placing your order.

With CLIP PROJECT, you can benefit from a consistent process chain using simple interaction with CAE systems.

Further information and download options can be found at:
phoenixcontact.com



Complete relay modules – RIFLINE complete order overview

		Input voltage	Output contacts		Max. switching current ¹⁾	Switching voltage	Type	Order No.
								
RIF-0	 6.2 mm	12 V DC	1	–	6 A	250 V AC/DC	RIF-0-RPT-12DC/21	2903371
		12 V DC	1	–	50 mA ²⁾	30 V AC/36 V DC	RIF-0-RPT-12DC/21AU	2903369
		12 V DC	–	1	6 A	250 V AC/DC	RIF-0-RPT-12DC/1	2903362
		12 V DC	–	1	50 mA ²⁾	30 V AC/36 V DC	RIF-0-RPT-12DC/1AU	2903360
		24 V DC	1	–	6 A	250 V AC/DC	RIF-0-RPT-24DC/21	2903370
		24 V DC	1	–	50 mA ²⁾	30 V AC/36 V DC	RIF-0-RPT-24DC/21AU	2903368
		24 V DC	–	1	6 A	250 V AC/DC	RIF-0-RPT-24DC/1	2903361
		24 V DC	–	1	50 mA ²⁾	30 V AC/36 V DC	RIF-0-RPT-24DC/1AU	2903359
RIF-1	 16 mm	24 V DC	1	–	11 A (13 A) ³⁾	250 V AC/DC	RIF-1-RPT-LDP-24 DC/1x21	2903342
		24 V DC	2	–	8 A	250 V AC/DC	RIF-1-RPT-LDP-24DC/2x21	2903334
		24 V DC	2	–	50 mA ²⁾	30 V AC/36 V DC	RIF-1-RPT-LDP-24DC/2x21AU	2903330
		24 V AC	1	–	10 A (12 A) ³⁾	250 V AC/DC	RIF-1-RPT-LV-24AC/1x21	2903341
		24 V AC	2	–	8 A	250 V AC/DC	RIF-1-RPT-LV-24AC/2x21	2903333
		24 V AC	2	–	50 mA ²⁾	30 V AC/36 V DC	RIF-1-RPT-LV-24AC/2x21AU	2903329
		120 V AC	1	–	10 A (12 A) ³⁾	250 V AC/DC	RIF-1-RPT-LV-120AC/1x21	2903340
		120 V AC	2	–	8 A	250 V AC/DC	RIF-1-RPT-LV-120AC/2x21	2903332
		120 V AC	2	–	50 mA ²⁾	30 V AC/36 V DC	RIF-1-RPT-LV-120AC/2x21AU	2903328
		230 V AC	1	–	10 A (12 A) ³⁾	250 V AC/DC	RIF-1-RPT-LV-230AC/1x21	2903339
		230 V AC	2	–	8 A	250 V AC/DC	RIF-1-RPT-LV-230AC/2x21	2903331
		230 V AC	2	–	50 mA ²⁾	30 V AC/36 V DC	RIF-1-RPT-LV-230AC/2x21AU	2903327
RIF-2	 31 mm	24 V DC	2	–	10 A	250 V AC/DC	RIF-2-RPT-LDP-24DC/2x21	2903315
		24 V DC	4	–	6 A	250 V AC/DC	RIF-2-RPT-LDP-24DC/4x21	2903308
		24 V AC	2	–	8.5 A	250 V AC/DC	RIF-2-RPT-LV-24AC/2x21	2903313
		24 V AC	4	–	5 A	250 V AC/DC	RIF-2-RPT-LV-24AC/4x21	2903306
		120 V AC	2	–	8.5 A	250 V AC/DC	RIF-2-RPT-LV-120AC/2x21	2903311
		120 V AC	4	–	5 A	250 V AC/DC	RIF-2-RPT-LV-120AC/4x21	2903305
		230 V AC	2	–	8.5 A	250 V AC/DC	RIF-2-RPT-LV-230AC/2x21	2903310
		230 V AC	4	–	5 A	250 V AC/DC	RIF-2-RPT-LV-230AC/4x21	2903304
	 40 mm	24 V DC	3	–	8.5 A	250 V AC/DC	RIF-3-RPT-LDP-24DC/3x21	2903294
		120 V AC	3	–	6 A	250 V AC/DC	RIF-3-RPT-LV-120AC/3x21	2903293
		230 V AC	3	–	6 A	250 V AC/DC	RIF-3-RPT-LV-230AC/3x21	2903292
	 43 mm	24 V DC	3	–	10 A	440 V AC/250 V DC	RIF-4-RPT-LDP-24DC/3x21	2903278
		120 V AC	3	–	8 A	440 V AC/250 V DC	RIF-4-RPT-LV-120AC/3x21	2903277
		230 V AC	3	–	8 A	440 V AC/250 V DC	RIF-4-RPT-LV-230AC/3x21	2903276

¹⁾ Type dependent – please observe contact derating

²⁾ Due to multi-layer contact

³⁾ For use of the jumper between 11 and 21

