

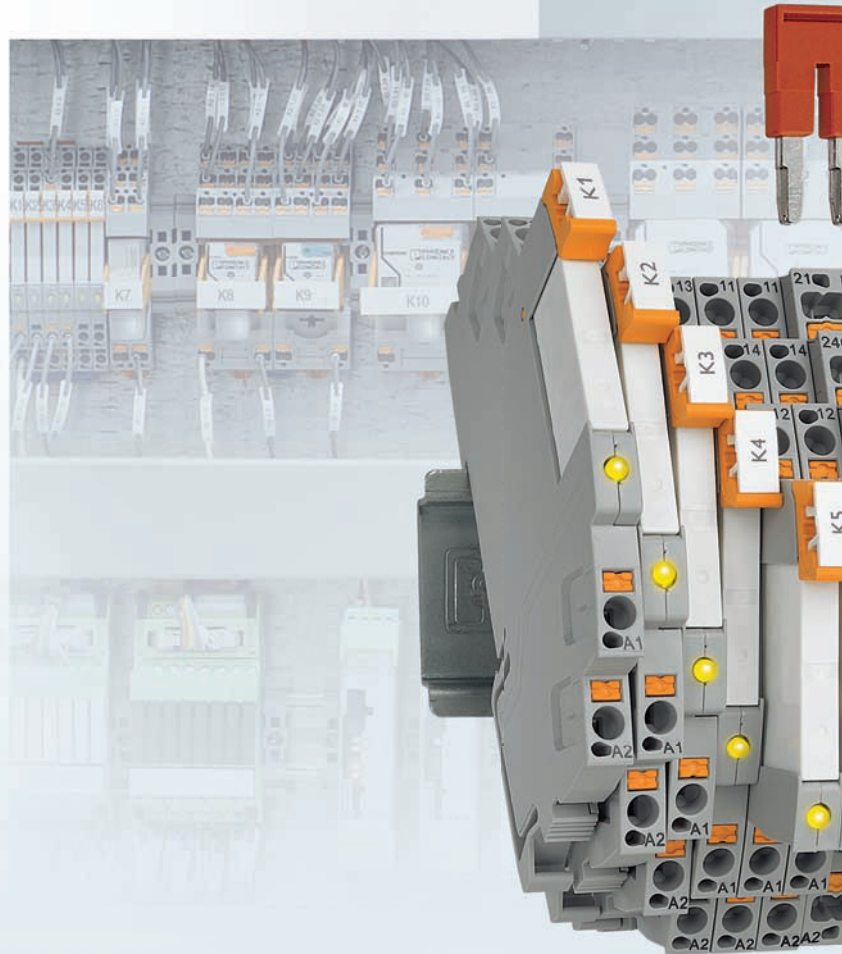
Industrial relay system

RIFLINE complete

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 area of application ranges from the coupling relay and timer relay through to the small power contactor replacement.



Easy handling in detail



Easy wiring
thanks to Push-in Technology. This ensures quick wiring without the need for any tools.



Easy potential distribution
with plug-in bridges from the CLIPLINE complete system accessories.



Easy function extension
using the plug-in multifunctional timer module.

Three functions of time can be selected within a time range of 0.5 seconds to 100 minutes.



Push-in Technology

With RIFLINE complete you can make use of proven Push-in Technology. This ensures quick wiring without the need for any tools. The release button for releasing the conductor can be operated using a screwdriver or even a pen.



Push-in Technology

Designed by PHOENIX CONTACT

High availability thanks to plug-in relays and function modules

The relays can be replaced quickly during maintenance work. This helps to ensure high machine and system availability.

Complete relay range

Switch currents up to 16 A.
From the coupling relay to the small power contactor replacement, the product range offers the right relay for every application.

Applications at a glance

Thanks to the enormous 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.

Multifunctional timer module

The multifunctional plug-in timer module for 24 V is used to turn a relay module into a timer relay. The RIF-1 to RIF-4 bases can be fitted with this module.

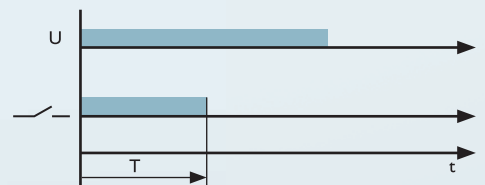
Three functions of time can be selected within a time range of 0.5 seconds to 100 minutes.



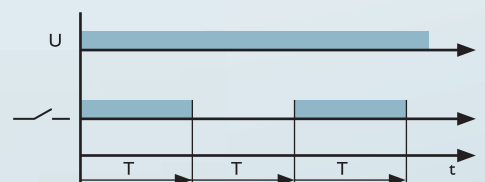
Switch-on delay



On pulse time function



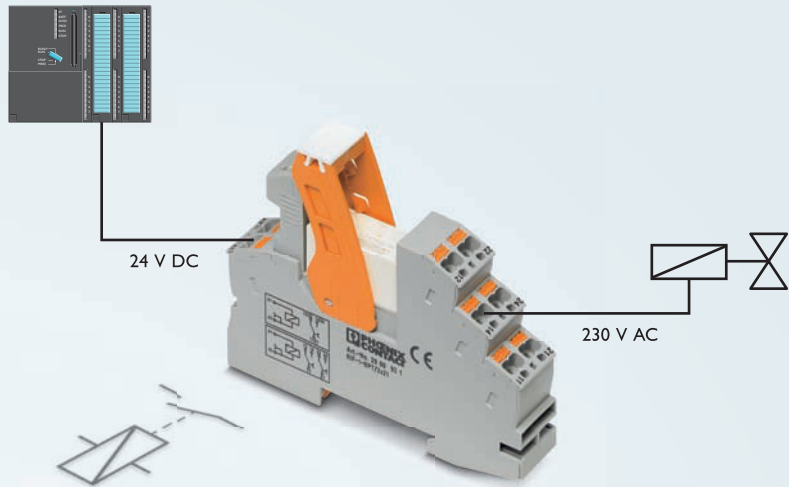
Flash time function



From the coupling relay to the small power contactor replacement

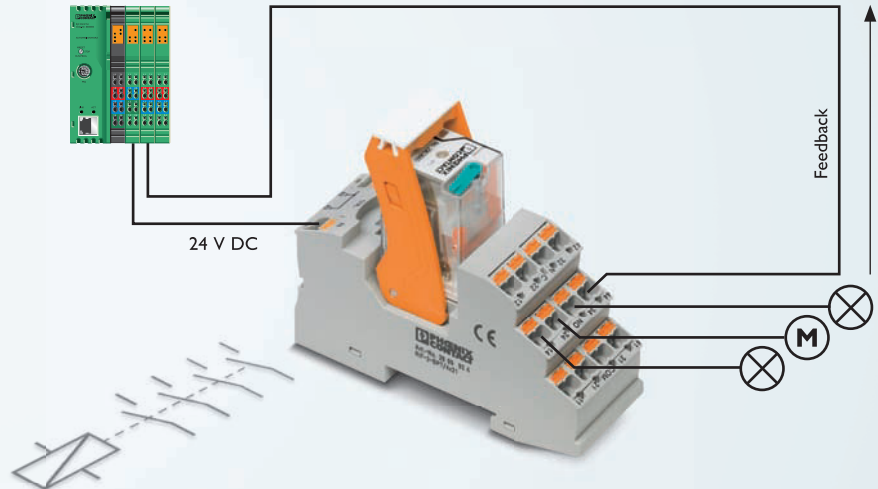
Coupling relays between the controller and the field

The RIF-0 and RIF-1 relay modules are used in particular to reliably couple signals between the controller and the field. Power levels are enhanced, voltages are adjusted or signals are electrically isolated within this framework.



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.

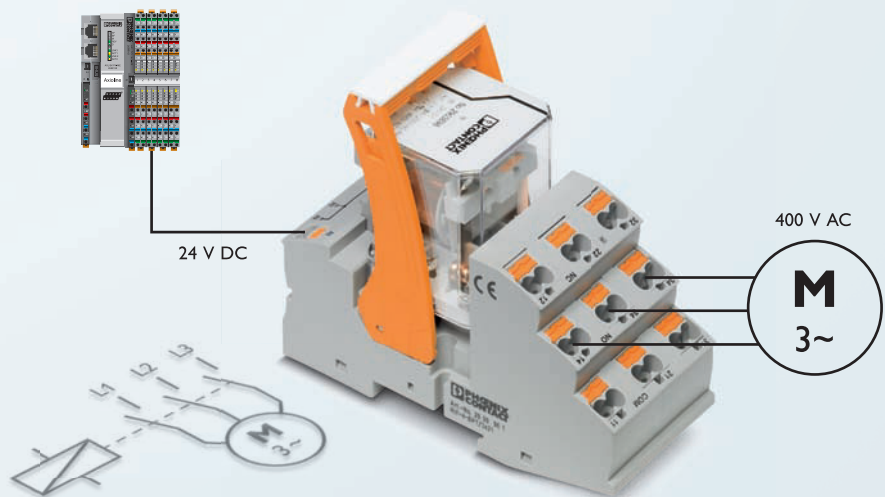


From the power relay to the small power contactor replacement

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

The benefits in comparison with contactors are:

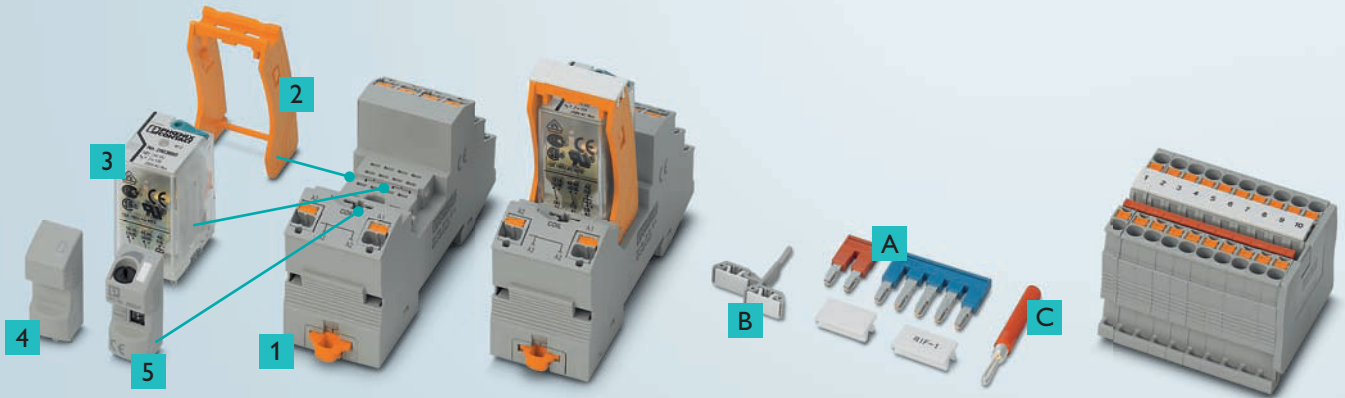
- Easy maintenance thanks to plug-in capability
- Operating indicator via status LED
- Inexpensive
- Quick installation thanks to bridgeability and push-in connection



Modular relay system – for maximum flexibility and cost efficiency

You can decide for yourself whether you want to assemble RIFLINE complete individually – or order it ready 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
5. 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:

- A: Bridging material**
- B: Marking accessories** such as zack marker strips and marker carriers
- C: Test plugs**

Configuration made easy with CLIP PROJECT








Configure the terminal strips and components for your control cabinet from Phoenix Contact easily using CLIP PROJECT – and prepare the corresponding markings at the same time. The planning software also supports you in selecting the correct accessories right through to ordering.

With CLIP PROJECT you can benefit from a consistent process chain. This is achieved by way of the interaction with CAE systems.

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



Complete relay modules – RIFLINE complete order overview

		Output contacts		Max. switching current ¹⁾	Switching voltage	Type	Order No.
Input voltage							
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	250 V AC/DC	RIF-1-RPT-LDP-24DC/1x21	2903342
	24 V DC	1	–	50 mA ²⁾	30 V AC / 36 V DC	RIF-1-RPT-LDP-24DC/1x21AU	2903338
	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	–	11 A	250 V AC/DC	RIF-1-RPT-LV-24AC/1x21	2903341
	24 V AC	1	–	50 mA ²⁾	30 V AC / 36 V DC	RIF-1-RPT-LV-24AC/1x21AU	2903337
	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	–	11 A	250 V AC/DC	RIF-1-RPT-LV-120AC/1x21	2903340
	120 V AC	1	–	50 mA ²⁾	30 V AC / 36 V DC	RIF-1-RPT-LV-120AC/1x21AU	2903336
	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	–	11 A	250 V AC/DC	RIF-1-RPT-LV-230AC/1x21	2903339
	230 V AC	1	–	50 mA ²⁾	30 V AC / 36 V DC	RIF-1-RPT-LV-230AC/1x21AU	2903335
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	–	10 A	250 V AC/DC	RIF-2-RPT-LV-24AC/2x21	2903313
	24 V AC	4	–	6 A	250 V AC/DC	RIF-2-RPT-LV-24AC/4x21	2903306
	120 V AC	2	–	10 A	250 V AC/DC	RIF-2-RPT-LV-120AC/2x21	2903311
	120 V AC	4	–	6 A	250 V AC/DC	RIF-2-RPT-LV-120AC/4x21	2903305
	230 V AC	2	–	10 A	250 V AC/DC	RIF-2-RPT-LV-230AC/2x21	2903310
	230 V AC	4	–	6 A	250 V AC/DC	RIF-2-RPT-LV-230AC/4x21	2903304
RIF-3  40 mm	24 V DC	2	–	10 A	250 V AC/DC	RIF-3-RPT-LDP-24DC/2x21	2903297
	24 V DC	3	–	8 A	250 V AC/DC	RIF-3-RPT-LDP-24DC/3x21	2903294
	120 V AC	2	–	10 A	250 V AC/DC	RIF-3-RPT-LV-120AC/2x21	2903296
	120 V AC	3	–	8 A	250 V AC/DC	RIF-3-RPT-LV-120AC/3x21	2903293
	230 V AC	2	–	10 A	250 V AC/DC	RIF-3-RPT-LV-230AC/2x21	2903295
	230 V AC	3	–	8 A	250 V AC/DC	RIF-3-RPT-LV-230AC/3x21	2903292
RIF-4  43 mm	24 V DC	2	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LDP-24DC/2x21	2903281
	24 V DC	3	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LDP-24DC/3x21	2903278
	24 V DC	–	3	10 A	440 V AC / 250 V DC	RIF-4-RPT-LDP-24DC/3x1	2903275
	120 V AC	2	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-120AC/2x21	2903280
	120 V AC	3	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-120AC/3x21	2903277
	120 V AC	–	3	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-120AC/3x1	2903274
	230 V AC	2	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-230AC/2x21	2903279
	230 V AC	3	–	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-230AC/3x21	2903276
	230 V AC	–	3	10 A	440 V AC / 250 V DC	RIF-4-RPT-LV-230AC/3x1	2903273

¹⁾ Type-dependent – please observe contact derating

²⁾ Due to multi-layer contact



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- PCB terminal blocks and PCB connectors
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PHOENIX CONTACT GmbH & Co. KG
32825 Blomberg, Germany
Phone: +49 (0) 52 35 3-00
Fax: +49 (0) 52 35 3-4 12 00
phoenixcontact.net