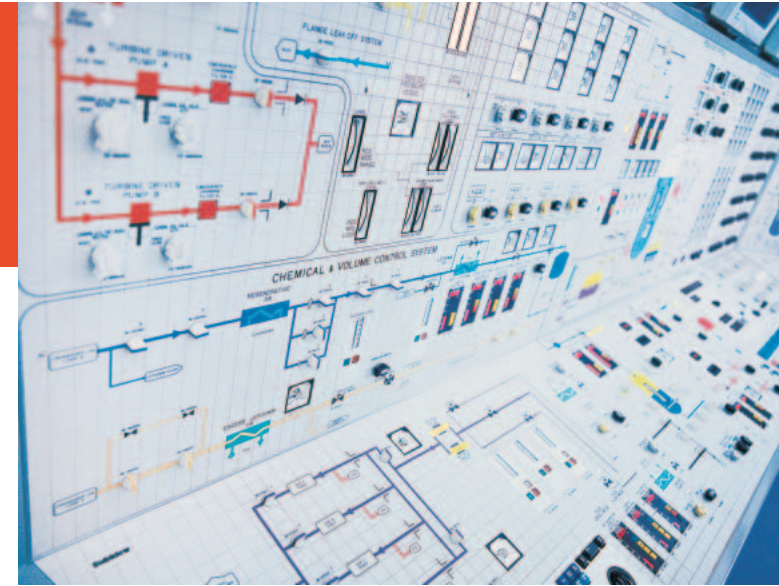


Weidmüller: the specialist in connection technology!

Suitable for mounting onto mounting rails, Weidmüller's relay sockets offer the respective optimum connection technique for mechanical and systems engineering – finely tuned for performance and to suit the expected application.

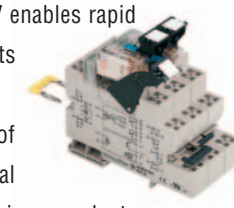
The MICROSERIES range has integrated the product features of **Weidmüller's RCS measuring and monitoring relays** into the world of terminal blocks. At the same time, the user is able to rely on the specific characteristics of the terminal blocks: he neither has to do without the freedom to choose the connection technique, pluggable cross-connections, universal marking solutions or the space-saving features that are typical of relays!



Proven product characteristics from the world of connection technology in combination with the performance of **Weidmüller's power relays RCL**: all presented in the PLUGSERIES range of products. The pluggable cross-connection ZQV enables rapid and simple bridging of potentials in both inputs and outputs, in addition to offering universal marking solutions. As well as the free choice of connection technique, it is the housing material Wemid that makes the PLUGSERIES such a unique product.

The RIDERSERIES represents the successful integration of **Weidmüller's power relay RCL**: modular in design, the relay, electronics and relay retainer clip are all pluggable. The series formally fulfils the international standard. Its compact design and proven connection technology, optionally available in screw or tension clamp connection techniques, are very convincing arguments.

The RIDERSERIES range is also available in combination with **Weidmüller's industrial relay RCM** – it then offers characteristics comparable with Weidmüller's power relay RCL: these couplers are equally modular in design, and, as well as the optionally available screw or tension clamp connections, fulfil the required standard.



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Weidmüller is the leading manufacturer of components for electrical connection technology. The Weidmüller product portfolio ranges from terminal blocks, PCB connectors and terminals, protected components and relay sockets to power supply and overvoltage protection modules suitable for all applications. Electrical installation and marking material, basic I/O components and a variety of tools round off the range. As an OEM supplier, the company sets global standards in the field of electrical connection technology.

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5643450000/11/2004/DMMD



PRODUCT OVERVIEW



RELAY COUPLERS

RELAY COUPLERS IN WEIDMÜLLER'S WORLD

SWITCHING, AMPLIFYING AND MULTIPLYING Weidmüller's relay couplers give their all!

Module for module: first class quality!

Weidmüller's relay couplers enable interference-free and non-interacting signal transmissions in industrial automation concepts. Quickly mounted, they are compact and can be integrated in the tightest of spaces. Weidmüller's relay couplers guarantee:

- easy mounting: simply snap onto the mounting rail
- reliable separation of input and output circuits when specified insulation voltage is adhered to.
- simultaneous switching of several loads
- error-free switching of varying loads
- reliable coupling of different voltages and currents between the input and output circuits
- improved performance

For each and every problem: a solution!

This extensive spectrum of features means that Weidmüller's relay couplers are mainly suitable for separating and conditioning of potentials as well as for multiplying signals in automation engineering. The main emphasis is placed on sub-assemblies that couple signals potential-free between the field and the control levels. Based on a wide platform of housings, Weidmüller has the optimum module for every application. Relay coupler modules from Weidmüller are firmly established in automation engineering:

- slim measuring and monitoring relays
- compact power relays
- proven industrial relays

Slim measuring and monitoring relays: the space savers!

Due to their design, **Weidmüller's RSS measuring and monitoring relays** require very little space and are ideal for galvanic separation and conditioning of signals. Thanks to the clearance and creepage distances attained, these »space savers« can also be utilized for sub-assemblies with safe isolation. The contact material and design enable small to medium-sized loads up to 6A @ 24 V DC or 230 V AC to be switched.



Compact power relays: the all-rounders!

Weidmüller's RCL power relays are always suitable for universal and optimum utilization when safe isolation between the input and output is essential. Together with their robust mechanical features, their excellent contact characteristics enable loads up to 16 A @ 24 V DC or 230 V AC to be switched. There are two changeover versions available to duplicate signals. Due to their special design, these »all-rounders« prevent contact burn due to inductive loads – gold contacts ensure that even small loads such as measurement signals can be reliably switched.



Proven industrial relays: the multi-talented relays!

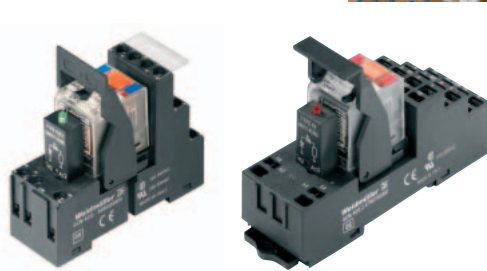
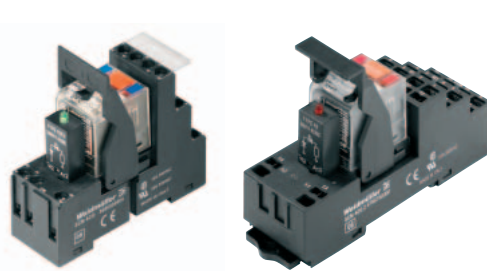
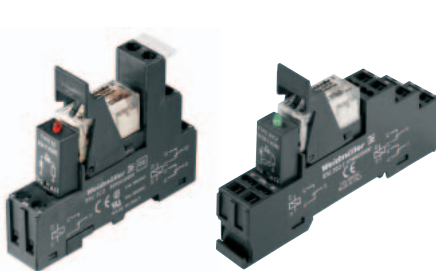
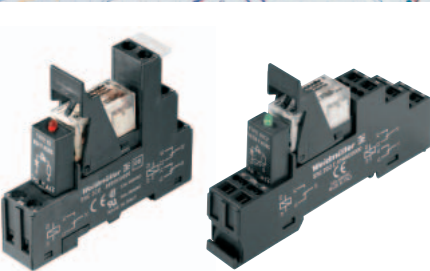
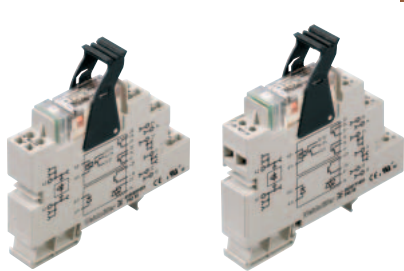
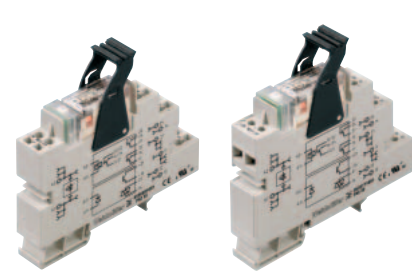
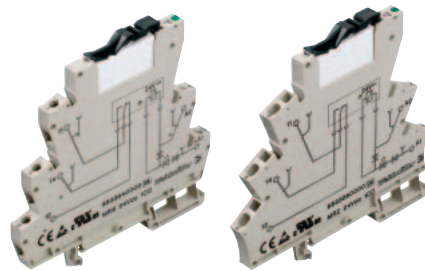
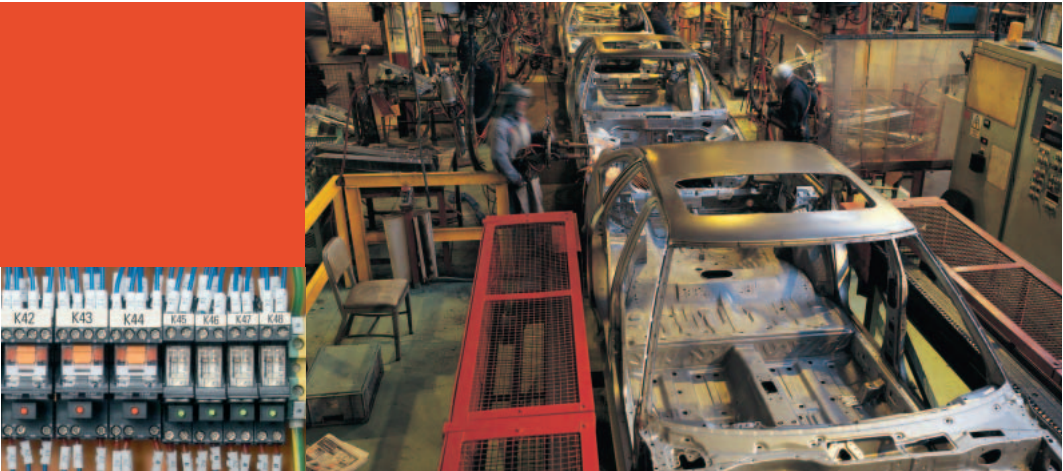
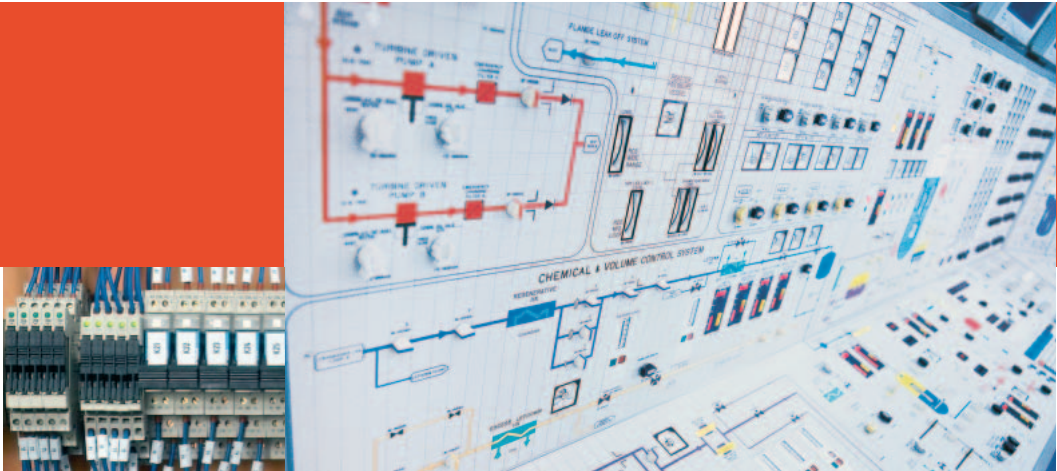
Weidmüller's industrial relays, RCM, offer an extensive range of options: there are as many as four changeover contacts available to multiply signals. In addition, the contacts can be mechanically operated by means of a lockable test button to simulate switching statuses during commissioning. To enable monitoring of the contact float, these »multi-talented« relays are equipped with a mechanical status indicator – an integrated LED unit to indicate the switching status is optionally available.



When good enough just isn't good enough

Weidmüller

RELAY COUPLERS



Description	MRS/MRZ 1 changeover contact 250 V AC / 6 A 6 mm in width - miniature all-or-nothing relays for separation of potentials as well as for switching small to medium-sized loads	PRS/PRZ 1 1 changeover contact 250 V AC / 16 A - Print relays for separating potentials and switching medium-sized loads - pluggable cross-connection in the input and output	PRS/PRZ 2 2 changeover contacts 250 V AC / 8 A - Print relays for separating potentials and switching medium-sized loads - pluggable cross-connection in the input and output	RCL1 1 changeover contact 250 V AC / 16 A 15 mm in width - Print relays for separating potentials and switching medium-sized loads	RCL2 2 changeover contacts 250 V AC / 8 A 15 mm in width - Print relays for separating potentials and switching medium-sized loads	RCM2 2 changeover contacts 250 V AC / 12 A 27 mm in width - Industrial relays for separating potentials, multiplying signals and switching medium-sized loads	RCM3 3 changeover contacts 250 V AC / 10 A 27 mm in width - Industrial relays for separating potentials, multiplying signals and switching medium-sized loads	RCM4 4 changeover contacts 250 V AC / 6 A 27 mm in width - Industrial relays for separating potentials, multiplying signals and switching medium-sized loads

Fully assembled	Nominal voltage	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.						
	24 V DC, screw connection	MRS 24VDC 1CO	8533640000	10	PRS 24VDC LD 1CO	8530621001	10	PRS 24VDC LD 2CO	8530631001	10	RCLKIT 24VDC 1CO LED	7940006158	10	RCLKIT 24VDC 2CO LED	7940006157	10	RCMKIT 24VDC 2CO LED	7940007061	10						
	24 V DC, tension clamp connection	MRZ 24VDC 1CO	8533660000	10	PRZ 24VDC LD 1CO	8530691001	10	PRZ 24VDC LD 2CO	8530701001	10	RCLKITZ 24VDC 1CO LED	8798620000	10	RCLKITZ 24VDC 2CO LED	8798630000	10		RCMKITZ 24VDC 3CO LED	7940007062	10					
	24 V AC, screw connection	MRS 24VUC 1CO	8556050000	10	PRS 24VAC LD 1CO	8536530000	10	PRS 24VAC LD 2CO	8536560000	10	RCLKIT 24VAC 1CO LED	7940006161	10	RCLKIT 24VAC 2CO LED	7940006162	10	RCMKIT 24VAC 2CO LED	7940007113	10	RCMKIT 24VAC 3CO LED	7940007114	10			
	24 V AC, tension clamp connection	MRZ 24VUC 1CO	8556120000	10	PRZ 24VAC LD 1CO	8536651001	10	PRZ 24VAC LD 2CO	8536681001	10	RCLKITZ 24VAC 1CO LED	8798640000	10	RCLKITZ 24VAC 2CO LED	8798650000	10		RCMKITZ 24VAC 3CO LED	7940007115	10	RCMKIT 24VAC 4CO LED	8798750000	10		
	115 V AC, screw connection	MRS 120VUC 1CO	8556030000	10	PRS 120VAC LD 1CO	8530641001	10	PRS 120VAC LD 2CO	8530661001	10	RCLKIT 120VAC 1CO LED	8810160000	10	RCLKIT 115VAC 2CO LED	8810100000	10	RCMKIT 115VAC 2CO LED	8810130000	10	RCMKIT 115VAC 3CO LED	8810140000	10	RCMKIT 115VAC 4CO LED	8810150000	10
	115 V AC, tension clamp connection	MRZ 120VUC 1CO	8556100000	10	PRZ 120VAC LD 1CO	8530710000	10	PRZ 120VAC LD 2CO	8530720000	10	RCLKITZ 120VAC 1CO LED	8810110000	10	RCLKITZ 115VAC 2CO LED	8810120000	10		RCMKITZ 115VAC 3CO LED	8810140000	10	RCMKITZ 115VAC 4CO LED	8810080000	10		
	230 V AC, screw connection	MRS 230VAC 1CO	8556020000	10	PRS 230VAC LD 1CO	8530671001	10	PRS 230VAC LD 2CO	8530681001	10	RCLKIT 230VAC 1CO LED	7940006160	10	RCLKIT 230VAC 2CO LED	7940006159	10	RCMKIT 230VAC 2CO LED	7940007116	10	RCMKIT 230VAC 3CO LED	7940007117	10	RCMKIT 230VAC 4CO LED	7940007118	10
	230 V AC, tension clamp connection	MRZ 230VAC 1CO	8556090000	10	PRZ 230VAC LD 1CO	8530731001	10	PRZ 230VAC LD 2CO	8530741001	10	RCLKITZ 230VAC 1CO LED	8798660000	10	RCLKITZ 230VAC 2CO LED	8798670000	10					RCMKITZ 230VAC 3CO LED	8798670000	10	RCMKITZ 230VAC 4CO LED	8798760000

Individual parts	Description	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.	Type	Order No.	Qty.			
	Relay 24 V DC	RSS113024*	4060120000	20	RCL314024	8693260000	20	RCL424024	4058570000	20	RCL314024	8693260000	20	RCL424024	4058570000	20	RCM270024	8689860000	10	RCM370024	8690040000	10	RCM570024	8690200000	10
	Relay 24 V AC				RCL314524	8693500000	20	RCL424524	4058600000	20	RCL314524	8693500000	20	RCL424524	4058600000	20	RCM270524	8689760000	10	RCM370524	8690030000	10	RCM570524	8690110000	10
	Relay 115 V AC	RSS113060*	4061630000	20	RCL314615	8693890000	20	RCL424615	4058610000	20	RCL314615	8693890000	20	RCL424615	4058610000	20	RCM270615	8689800000	10	RCM370615	8689980000	10	RCM570615	1180800000	10
	Relay 230 V AC				RCL314730	8693320000	20	RCL424730	4058630000	20	RCL314730	8693320000	20	RCL424730	4058630000	20	RCM270730	8689820000	10	RCM370730	8690000000	10	RCM570730	1181100000	10
	Base for screw connection	On request			PXS 35	8533771001	10	PXS 35	8533771001	10	SRC 2CO	8690830000	10	SRC 2CO	8690830000	10	SCM 2CO	8690880000	10	SCM 3CO	8690890000	10	SCM 4CO	8690900000	10
	Base for tension clamp connection				PXZ 35	8536691001	10	PXZ 35	8536691001	10	SRC 2CO Z	8783930000	10	SRC 2CO Z	8783930000	10							SCM 4CO Z	8783920000	10
	Retainer clip				PRC	8536700000	100	PRC	8536700000	100	SRC CLIP LP	8691090000	10	SRC CLIP LP	8691090000	10	SCM CLIP P	8691110000	10	SCM CLIP P	8691110000	10	SCM CLIP P	8691110000	10
	LED module 24 V DC				PLED 24VDC	8536710000	10	PLED 24VDC	8536710000	10	RIM 2 6/24VDC GN	8713720000	10	RIM 2 6/24VDC GN	8713720000	10	RIM 2 6/24VDC GN	8713720000	10	RIM 2 6/24VDC GN	8713720000	10	RIM 2 6/24VDC GN	8713720000	10
	LED module 24 V AC				PLED 24VAC	8536750000	10	PLED 24VAC	8691020000	10	RIM 3 6/24VUC	8691020000	10	RIM 3 6/24VUC	8691020000	10	RIM 3 6/24VUC	8691020000	10	RIM 3 6/24VUC	8691020000	10	RIM 3 6/24VUC	8691020000	10
LED module 120 V AC / 230 V AC				PLED 120VAC/PLED 230VAC	8536760000/8536780000	10	PLED 120VAC/PLED 230VAC	8536760000/8536780000	10	RIM 3 110/230VUC	8691030000	10	RIM 3 110/230VUC	8691030000	10	RIM 3 110/230VUC	8691030000	10	RIM 3 110/230VUC	8691030000	10	RIM 3 110/230VUC	8691030000	10	

* Due to the internal protective circuit, a 24 V DC relay is used on the 24 V DC, 24 V AC and 230 V AC relay couplers MRS and MRZ; a 60 V DC relay is used on the 120 V AC relay coupler.

Pluggable cross-connections are available as accessories in vario colours and pole numbers.

Pluggable cross-connections are available as accessories in various colours and pole numbers.

We recommend the use of differently coloured LEDs to differentiate between AC and DC relays. green = DC module / red = AC module
To achieve the full rated current (16 A), the output terminals 11 and 21, 12 and 22 as well as 14 and 24 must be connected.

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