

Universal series

Note:
Other versions available on request

¹⁾For possible configurations, see the relay and solid-state relay table to the lower right.

Description	Electromechanical relays										Solid-state relays																			
	Terminal width 6.2		Terminal width 6.2		Terminal width 14		Terminal width 14		Terminal width 14		Terminal width 6.2		Terminal width 6.2		Terminal width 6.2		Terminal width 6.2		Terminal width 6.2		Terminal width 6.2									
PLC-R.../21	Equipped with plug-in power contact relay		PLC-R.../21AU		Equipped with plug-in relay for low switching capacities, with gold-plated multi-layer contact		PLC-R.../21-21		Equipped with plug-in power contact relay		PLC-R.../21-21AU		Equipped with plug-in relay for low switching capacities, with gold-plated multi-layer contact		PLC-R.../21HC		Equipped with plug-in miniature relay for high continuous current		PLC-O.../48DC/100		Equipped with plug-in input solid-state relay									
Maximum switching voltage	250 V AC/DC		30 V AC/36 V DC		250 V AC/DC		30 V AC/36 V DC		250 V AC/DC		30 V AC/36 V DC		48 V DC		10 A		33 V DC		253 V AC		300 V DC									
Limiting continuous current	6 A		50 mA		6 A		50 mA		6 A		50 mA		10 A		3 A		3 A		750 mA		1 A									
Connection type	Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 2 PDTs		Single contact, 2 PDTs		Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 1 PDT		Single contact, 1 PDT									
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)									
Input voltage	5 V DC 12 V DC 24 V DC 24 V AC/DC 48 V DC 60 V DC 110 V DC 120 V AC 120 V AC/DC 125 V DC 220 V DC 230 V AC 230 V AC/DC		2966919 2967442 2900317 2966265 2966540 2900306 2966278 2966553 2900307 2966126 2966498 2900308 2966139 2966511 2900303 2966142 2966579 2900309		2967235 2912497 2900329 2967125 2912565 2900337 2967060 2912507 2900330 2967073 2912510 2900332 2967248 2912293 2900334 2967293 2912536 2900334		2967277 2912565 2900337 2967620 2912277 2900291 2967112 2912581 2900339 2967646 2912293 2900294 2967659 2912303 2900295		2967617 2912264 2900290 2967620 2912277 2900291 2967112 2912581 2900339 2967646 2912293 2900294 2967659 2912303 2900295		2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2967853 2967905 2900370 2967866 2967918 2900371		2966993 2967743 2900353 2967002 2967727 2900365 2967468 2967730 2900366 2967853 2967905 2900370 2967866 2967918 2900371		2980652 2980814 2900381 2980665 2980827 2900382 2980678 2980830 2900383		2980636 2980649 2900378 2982702 2982715 2900398 2902963 2902969 2902967 2902973		2980681 2980843 2900384 2980694 2980856 2900385 2980717 2980872 2900388		2982210 2982223 2900390 2980704 2980869 2900387 2980720 2980885 2900389		2902964 2902970 2902968 2902974 Types with 5 V DC output voltage available on request		2980319 2980351 2900453 2980322 2980364 2900456 2980416		2980335 2980377 2900455 2980348 2980380 2900457 2980429		2980445	

Filter series - for disturbances caused by AC leakage currents/long cables

Electromechanical relays/solid-state relays	
PLC-B...UC/21/SO46 ¹⁾	Basic terminal block with integrated filter which can be equipped with relay or solid-state relay
PLC-B...UC/1/SEN/SO46 ¹⁾	Basic terminal block with integrated filter which can be equipped with relay or solid-state relay
PLC-BSC...UC/21-21/SO46 ¹⁾	Basic terminal block with integrated filter which can be equipped with relay or solid-state relay
PLC-BSC...UC/21/HC/SO46 ¹⁾	Basic terminal block with integrated filter which can be equipped with relay or solid-state relay

Actuator series

Note:
Other versions available on request

Description	Electromechanical relays				Solid-state relays					
	Terminal width 6.2		Terminal width 14		Terminal width 6.2		Terminal width 6.2			
PLC-R.../1/ACT	Actuator series equipped with plug-in power contact relay		PLC-R.../1/IC/ACT		Actuator series equipped with plug-in miniature relay for high inrush currents		PLC-O.../24DC/2/ACT		Equipped with plug-in power solid-state relay	
Maximum switching voltage	250 V AC/DC		250 V AC/DC		33 V DC		253 V DC		30 V DC	
Limiting continuous current	6 A		10 A		3 A		50 mA		2 A	
Connection type	Single contact, 1 N/O contact		Single contact, 1 N/O contact		Single contact, 1 N/O contact		Single contact, 1 N/O contact		Single contact, 1 N/O contact	
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)		- Screw connection - Spring-cage connection - Push-in connection (PT)	
Input voltage	5 V DC 24 V DC 48 V DC 120 V AC/DC 230 V AC/DC		2966210 2967345 2900312 2967604 2912413 2900298		2980144 2980157 2900375 2966676 2967507 2900376		2967947		2966317 2967374 2900313 2966773 2967578 2900358 2980539 2980555 2900377	
									2966320 2967390 2900314 2966333 2967413 2900315 2966799 2967581 2900359 2966809 2967594 2900361	

Switch modules

Description	For "manual-0-automatic" mode	
	Terminal width 6.2	Terminal width 6.2
PLC-RS.../24UC/1/S...	Integrated relay and switch, operated manually or with screwdriver	
PLC-S.../S/L	Integrated switch, operated manually or with screwdriver	
Input voltage	24 V AC/DC	
Maximum switching voltage	250 V AC/DC	
Maximum switching current	6 A	
Confirmation	≤ 72 V AC/DC/50 mA	
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)	
Manual operation	PLC-S.../S/H Operation with screwdriver	
PLC-S.../S/L	Operation with screwdriver	
	2982236 2982249 2900328	2980733 2980746 2900400
	2834876 2834889 2900327	2980775 2980788 2900401

Adapters for PLC-INTERFACE

For connection with system cabling	
REL-MR...21	REL-MR...-21-21
OPT...	
For 6.2 mm PLC-INTERFACE, with 14-pos. flat-ribbon cable connection, module width 49.6 mm	For 6.2 mm PLC-INTERFACE, with 14-pos. flat-ribbon cable connection, module width 112.3 mm
Positive switching	OUTPUT PLC-V8/FLK14/OUT 2295554
Negative switching	INPUT PLC-V8/FLK14/IN 2296553 OUTPUT PLC-V8/FLK14/OUT/M 2304102 INPUT PLC-V8/FLK14/IN/M 2304115
For 6.2 mm PLC-INTERFACE, with 15-pos. D-SUB connection, module width 49.6 mm	For 14 mm PLC-INTERFACE, with 14-pos. flat-ribbon cable connection, module width 112.3 mm
Pin strip	OUTPUT PLC-V8/D15S/OUT 2296058 INPUT PLC-V8/D15S/IN 2296074 OUTPUT PLC-V8/D15B/OUT 2296061 INPUT PLC-V8/D15B/IN 2296087
Female connector	OUTPUT PLC-V8/D15S/OUT 2296058 INPUT PLC-V8/D15S/IN 2296074 OUTPUT PLC-V8/D15B/OUT 2296061 INPUT PLC-V8/D15B/IN 2296087
Positive switching	OUTPUT PLC-V8/FLK14/OUT 2299660
Negative switching	INPUT PLC-V8/FLK14/OUT/M 2304306

Relays and solid-state relays

For equipping the PLC...SO46 and PLC...TTL/1 basic terminal blocks	
REL-MR...21	REL-MR...-21-21
OPT...	
Basic terminal blocks	Plug-in relays and solid-state relays
PLC-B...UC/21/SO46	Type REL-MR-60DC/21AU REL-MR-60DC/21 OPT-60DC/48DC/100 OPT-60DC/24DC/2 OPT-60DC/230AC/1
Order No.	2961134 2961118 2966621 2966605 2967963
PLC-B...UC/1/SEN/SO46	Type REL-MR-60DC/21AU REL-MR-60DC/21 OPT-60DC/48DC/100 OPT-60DC/24DC/2 OPT-60DC/230AC/1
Order No.	2961134 2961118 2966621 2966605 2967963
PLC-BSC...UC/21-21/SO46	Type REL-MR-110DC/21-21AU REL-MR-110DC/21-21
Order No.	2961228 2961202
PLC-BSC...UC/21/HC/SO46	Type REL-MR-110DC/21HC
Order No.	2961338
PLC-B...TTL/1	Type REL-MR-4.5DC/21AU REL-MR-4.5DC/21 OPT-5DC/48DC/100 OPT-5DC/24DC/2
Order No.	2961370 2961367 2967992 2967989

PLC-INTERFACE accessories

Description	Color	Order No.
Power terminal, for the supply of up to four potentials	Gray	2966508
Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC-INTERFACE	Red Blue Gray	2966786 2966692 2966838
Plug-in bridge, 2-pos., 6 mm long, bridges potentials of neighboring PLC-INTERFACES	Red Blue Gray	2966236 2966812 2966825
Plug-in bridge, 2-pos., 8 mm long, bridges potentials of neighboring PLC-INTERFACES with partition plate	Gray	2967688
Plug-in bridge, 2-pos., for connecting adjacent connections of a 14 mm PLC-INTERFACE	Black	2967691
Partition plate, 2 mm thick, to be installed at the start and end of every PLC terminal strip	Black	2966841
Passive feed-through bridge, can be inserted instead of a relay or solid-state relay, bridges terminal points A1 and 14	Black	2980283
Screwdriver, for wiring all PLC-INTERFACES with spring-cage, screw, and PT connections, length 180 mm, blade: 0.6 x 3.5 x 100	Black	1204517

Further information on the products presented here and on the world of solutions from Phoenix Contact can be found at www.phoenixcontact.net/catalog



Or contact us directly.

Modular Terminal Blocks
CLIPLINE 1

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and Mounting Material
CLIPLINE 2

Connection Technology for
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Cabling
PLUSCON

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COMBICON

Power and Signal Quality
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Signal Converters, Switching Devices,
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Automation Components
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PHOENIX CONTACT GmbH & Co. KG
32823 Blomberg, Germany
Phone: +49/5235/3-00
Fax: +49/5235/3-4 12 00
www.phoenixcontact.com



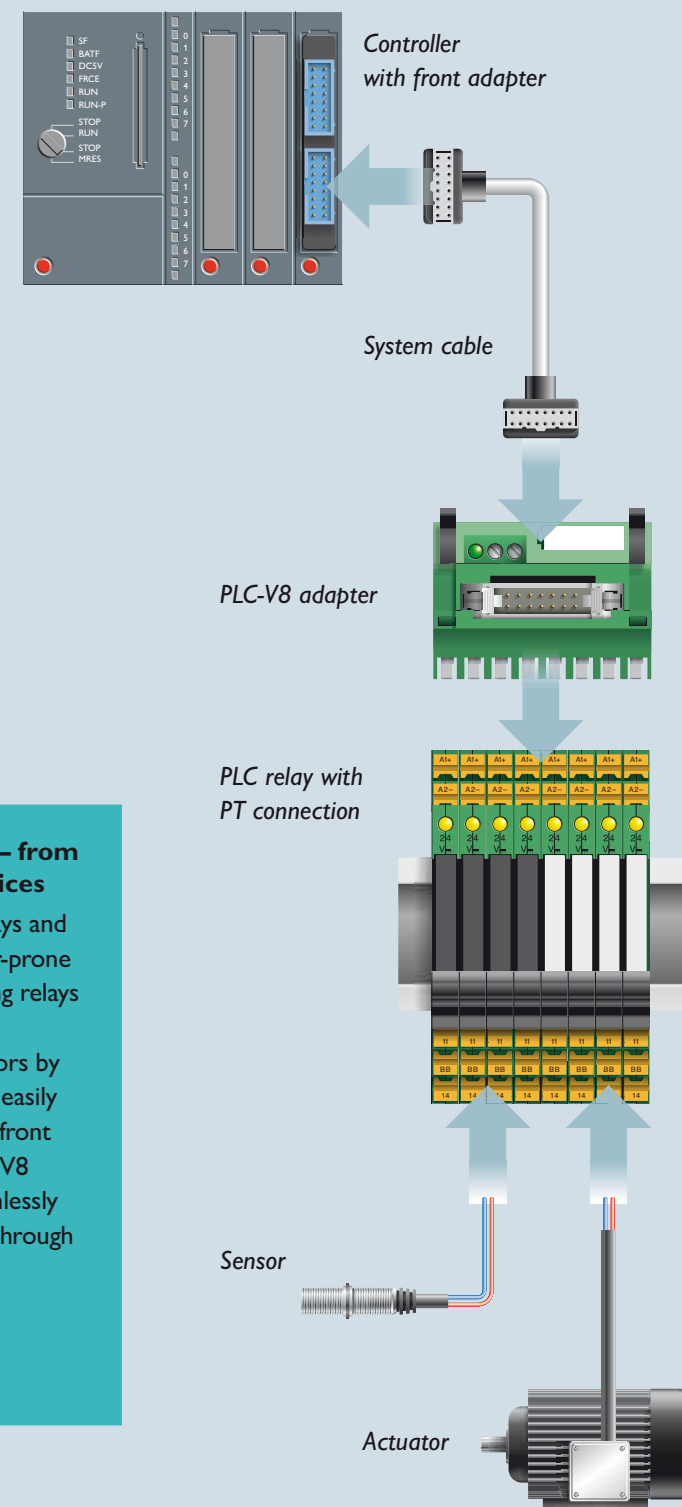
PLC-INTERFACE

The complete relay system

The PLC-INTERFACE relay system from Phoenix Contact acts as the high-performance interface between the controller and system I/O devices. PLC-INTERFACE provides you with a comprehensive range of ultra-narrow, plug-in relays and solid-state relays, plus a complete range of accessories. In addition, PLC sensor/actuator versions, switch modules, and filter series always provide the right interface for special applications. PLC-INTERFACE plus system cabling – fast plug-in connection of the controller and I/O devices.

Straightforward connection – from the controller to the I/O devices
Save time and costs with PLC relays and system cabling compared to error-prone individual wiring. Use PLC coupling relays with PT technology for the direct connection of sensors and actuators by simply inserting them quickly and easily without tools. Together with the front adapters, system cables, and PLC-V8 adapters, your wiring can be seamlessly plugged in – from the controller through to the I/O devices.

Choice of connection methods
Available with screw, spring-cage or PT connection



Choice of connection methods
Available with screw, spring-cage or PT connection



PLC-INTERFACE with push-in terminal

This new spring-cage connection technology enables easy, direct connection without tools, even with smaller conductors from 0.34 mm². They are distinguished by a high level of contact quality and low insertion forces. This facilitates quick, user-friendly, and secure wiring. To release the conductor, activate the release button with a screwdriver or ballpoint pen.

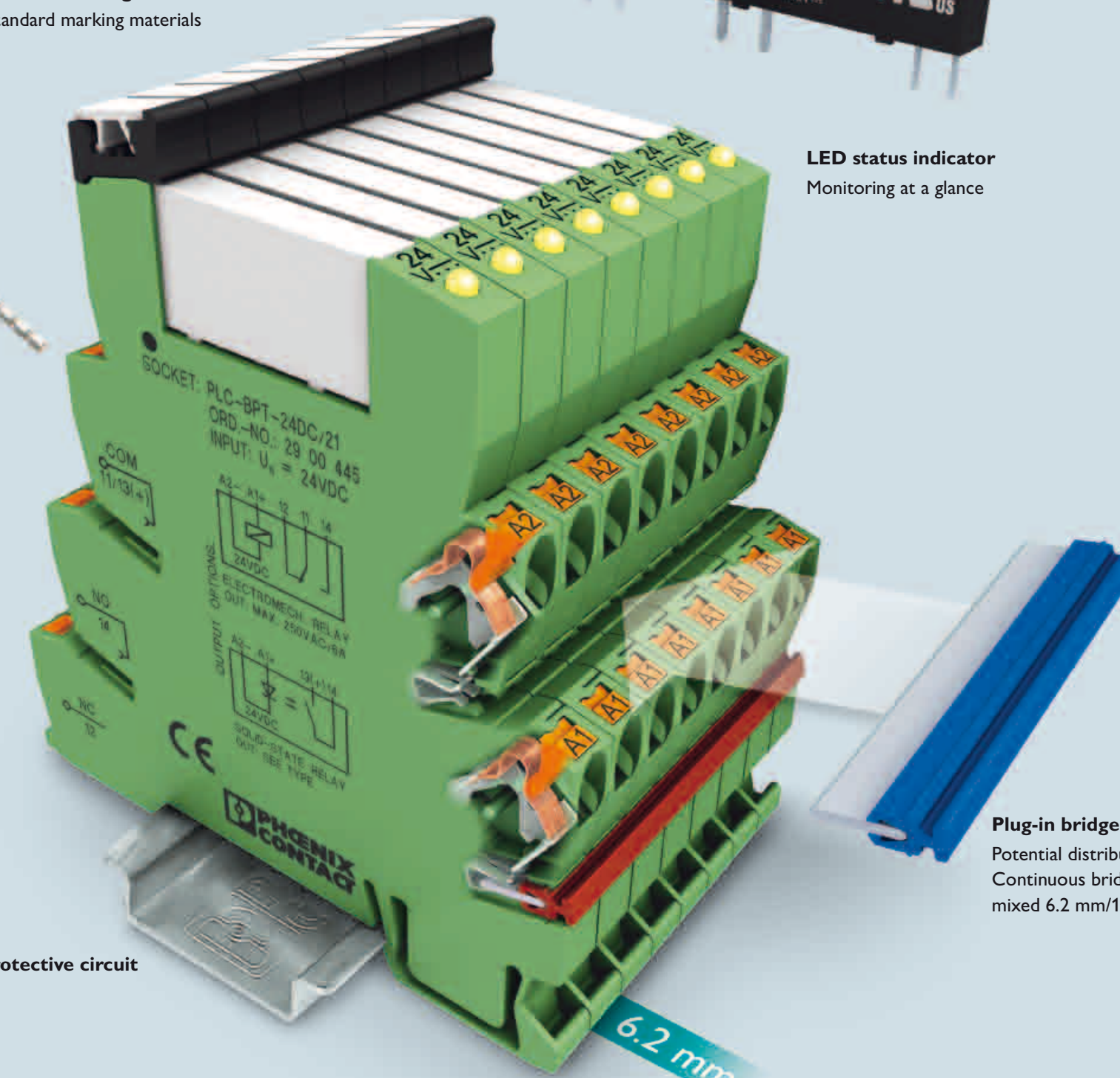
You can find more information about system cabling with PLC-INTERFACE and INTERFACE Cabling in our catalog or at www.phoenixcontact.com

Professional marking
With standard marking materials



Relay/solid-state relay
Easy to replace

LED status indicator
Monitoring at a glance

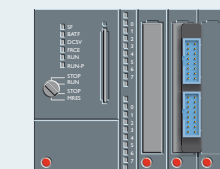


Plug-in bridges instead of wiring
Potential distribution saves time. Continuous bridge also suitable for mixed 6.2 mm/14 mm PLC structures.

Integrated input circuit and protective circuit
No external wiring required

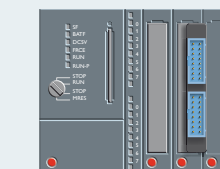
Compact, space-saving housing
Only 6.2 mm and/or 14 mm wide

PLC-INTERFACE series



PLC sensor and PLC actuator series

- Enormous savings in terms of time, space, and costs
- All connections for sensors and actuators directly on the coupling relay
- No additional modular terminal blocks for supply (sensor version) and output (actuator version)
- Available with screw, spring-cage or PT connection (same shape)
- With plug-in relay (white) or solid-state relay (black)



PLC universal series

- Can be used universally as input or output interface
- Available with screw, spring-cage or PT connection (same shape)
- With plug-in relay (white) or solid-state relay (black)
- Connection of sensors/actuators via modular terminal blocks

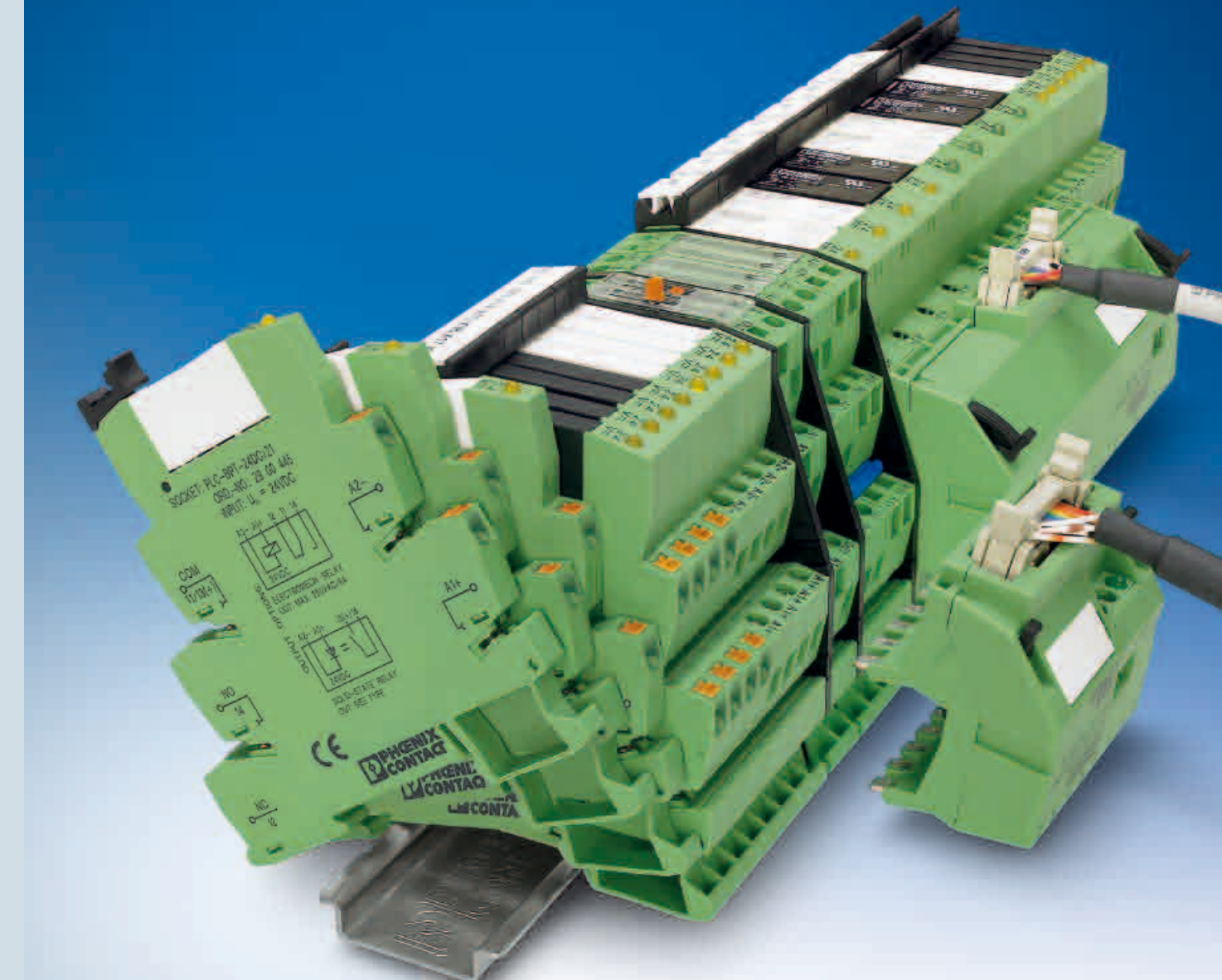
PLC-INTERFACE accessories - the complete range



- 1 Continuous or 2-pos. plug-in bridges
- 2 Power terminal
- 3 Labeling/markings
- 4 Partition plate
- 5 Relay and solid-state relay (plug-in)
- 6 PLC-V8 adapter for connection with system cabling

PLC-INTERFACE series for special applications

- **PLC railway** with extended temperature and input voltage range plus vibration resistance
- **PLC with integrated filter** for disturbances caused by AC leakage currents/long cables
- **PLC for high inrush or continuous currents** with lamp loads or electric heating systems
- **PLC-NAMUR** for NAMUR proximity sensors
- **PLC reversing load relay** for switching, reversing, and braking DC motors
- **PLC switch module** for MANUAL-0-AUTOMATIC functions



PLC-INTERFACE

The complete relay system

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9