

Universal series

Note:
Other versions available on request

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

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	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 14	Terminal width 14			
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	PLC-O.../24DC/2 Equipped with plug-in power solid-state relay	PLC-O.../230AC/1 Equipped with plug-in power solid-state relay	PLC-O.../300DC/1 Integrated solid-state relay with DC voltage output, max. 1 A	PLC-O.../48DC/500/W Integrated solid-state relay with electronic PDT, max. 500 mA	PLC-O.../24DC/24DC/10/R Integrated solid-state relay with short-circuit-proof DC voltage output, max. 10 A	PLC-O.../24DC/100KHZ Integrated solid-state relay with DC voltage output, max. 50 mA, transmission frequency up to 100 kHz	PLC-O.../24DC/100KHZ-G Integrated solid-state relay with DC voltage output with push-pull output stage, max. 50 mA, transmission frequency up to 100 kHz	PLC-B...UC/21/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or solid-state relay	PLC-B...UC/1/SEN/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or solid-state relay	PLC-BSC...UC/21-21/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or solid-state relay	PLC-BSC...UC/21/HC/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or 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	48 V DC	253 V AC	300 V DC	48 V DC	33 V DC	24 V DC	24 V DC	The technical data depends on the assembly type (relay or solid-state relay)		The technical data depends on the assembly type (relay)		The technical data depends on the assembly type (relay)		The technical data depends on the assembly type (relay)		
Limiting continuous current	6 A	50 mA	6 A	50 mA	10 A	33 V DC	750 mA	1 A	500 mA	1 A	10 A	10 A									
Connection type	Single contact, 1 PDT	Single contact, 1 PDT	Single contact, 2 PDTs	Single contact, 2 PDTs	Single contact, 1 PDT																
Connection method:	- 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	2966906 2967439 2900316 2966171 2966472 2900299 2966184 2966485 2900300 2966113 2966498 2900301 2966139 2966511 2900303	2966919 2967442 2900317 2966265 2966540 2900306 2966278 2966553 2900307 2966126 2966566 2900308 2966142 2966579 2900309	2967235 2912497 2900329 2967277 2912565 2900337 2967620 2912578 2900330 2967125 2912578 2900338 2967112 2912581 2900339 2967248 2912594 2900340 2967293 2912536 2900334	2967617 2912264 2900290 2967620 2912277 2900291 2967633 2912280 2900293 2967646 2912293 2900294 2967659 2912303 2900295	2966728 2967549 2900352	2966634 2967471 2900364 2967840 2967895 2900369	2980652 2980814 2900381 2980665 2980827 2900382 2980678 2980830 2900383	2980636 2980649 2900378	2982702 2982715 2900398	2902963 2902969	2902967 2902973	Types with 5 V DC output voltage available on request								

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

Electromechanical relays/solid-state relays	
Terminal width 6.2	Terminal width 6.2
PLC-B...UC/21/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or solid-state relay	PLC-B...UC/1/SEN/SO46¹⁾ Basic terminal block with integrated filter which can be equipped with relay or solid-state relay
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Connection type	Single contact, 1 N/O contact
Connection method:	- 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
	2966207 2966537 2900305 2966294 2966647 2900311 2967099 2912552 2900336 2967141 2912620 2900343 2967675 2912329 2900297 2966757 2967565 2900356 2966663 2967497 2900368 2967882 2967934 2900374

Actuator series

Note:
Other versions available on request

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	PLC-OSC.../230AC/1/ACT Actuator series equipped with plug-in power solid-state relay
Maximum switching voltage	250 V AC/DC	33 V DC	253 V DC
Limiting continuous current	6 A	3 A	750 mA
Connection type	Single contact, 1 N/O contact	3 A	50 mA
Connection method:	- 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	2980144 2980157 2900375 2966676 2967507 2900376	2966317 2967374 2900313 2966773 2967578 2900358 2980539 2980555 2900377

Reversing load relays

Solid-state relays	
Terminal width 6.2	Terminal width 6.2
PLC-S...ELR W 1/2-24DC Electronic reversing load relay for motors up to 24 V DC/2 A	
Maximum switching voltage	30 V DC
Limiting continuous current	2 A
Connection type	
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)
Input voltage	24 V AC/DC 250 V AC/DC 6 A
	2980539 2980555 2900377

²⁾PLC...H = 90 mm,
PLC...L = 86 mm

Switch modules

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 250 V AC/DC 6 A
Maximum switching voltage	72 V DC 50 mA
Maximum switching current	≤ 72 V AC/DC/50 mA
Confirmation	
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)
Manual operation	
Operation with screwdriver	
PLC...S/L	
	2982236 2982249 2900328 2980733 2980746 2900400 2834876 2834889 2900327 2980775 2980788 2900401

Adapters for PLC-INTERFACE

For connection with system cabling	
Terminal width 6.2	Terminal width 6.2
REL-MR.../21 Integrated relay and switch, operated manually or with screwdriver	REL-MR.../21-21 Integrated switch, operated manually or with screwdriver
Input voltage	24 V AC/DC 250 V AC/DC 6 A
Maximum switching voltage	72 V DC 50 mA
Maximum switching current	≤ 72 V AC/DC/50 mA
Confirmation	
Connection method:	- Screw connection - Spring-cage connection - Push-in connection (PT)
Manual operation	
Operation with screwdriver	
PLC...S/L	
	2295554 2296533 2304102 2304115 2296058 2296074 2296061 2296087 2299660 2304306

Relays and solid-state relays

For equipping the PLC...SO46 and PLC...TTL/1 basic terminal blocks	
Terminal width 6.2	Terminal width 6.2
REL-MR.../21 Basic terminal block with integrated filter which can be equipped with relay or solid-state relay	REL-MR.../21-21 Basic terminal block with integrated filter which can be equipped with relay or solid-state relay
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Connection type	Single contact, 1 N/O contact
Connection method:	- 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
	2961134 2961118 2966621 2966605 2967963 2961134 2961118 2966621 2966605 2967963 2961134 2961118 2966621 2966605 2967963 2961228 2961202 2961338 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
- Marking Systems, Tools, and Mounting Material
CLIPLINE 2
- Connection Technology for Field Devices and Field Cabling
PLUSCON
- Device Connection Technology and Electronic Housings
COMBICON
- Power and Signal Quality
TRABTECH
- Signal Converters, Switching Devices, Power Supply Units
INTERFACE
- Automation Components and Systems
AUTOMATION

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PHOENIX CONTACT
INSPIRING INNOVATIONS

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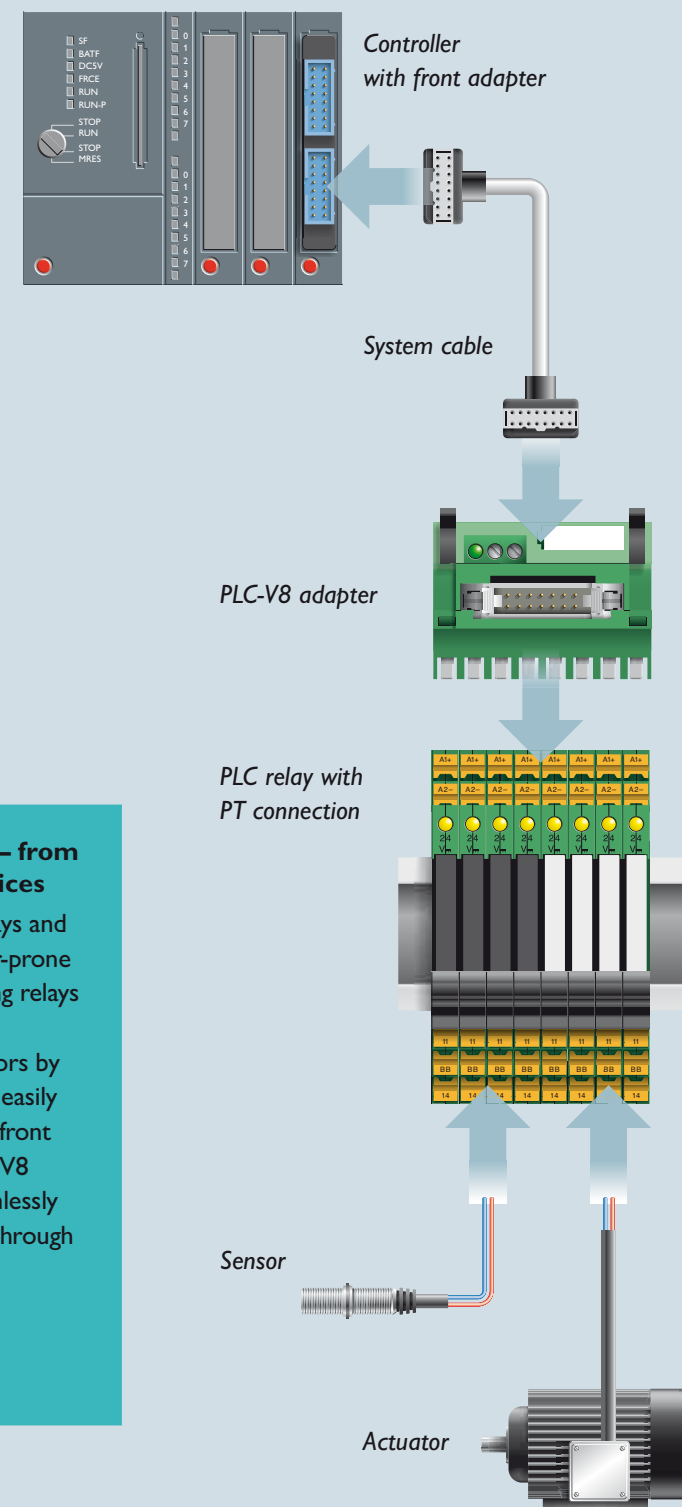
PLC-INTERFACE

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



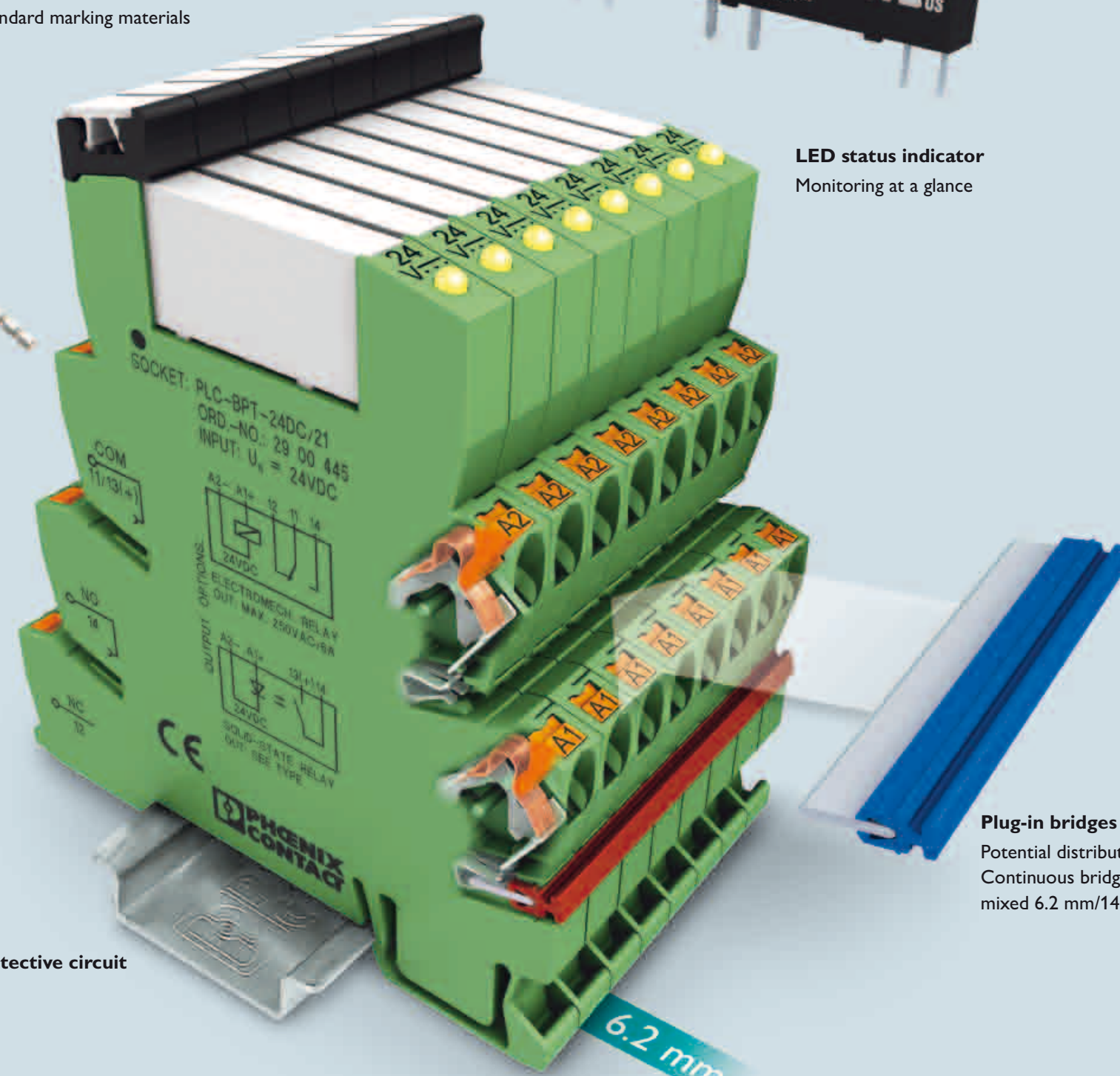
PLC-INTERFACE with push-in terminal

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.

Professional marking
With standard marking materials



LED status indicator
Monitoring at a glance



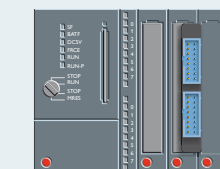
Plug-in bridges instead of wiring
Potential distribution saves time. Continuous bridge also suitable for mixed 6.2 mm/14 mm PLC structures.

Integrated input circuit and protective circuit
No external wiring required

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

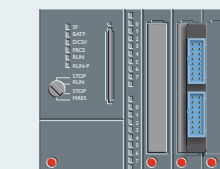
You can find more information about system cabling with PLC-INTERFACE and INTERFACE Cabling in our catalog or at www.phoenixcontact.com

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

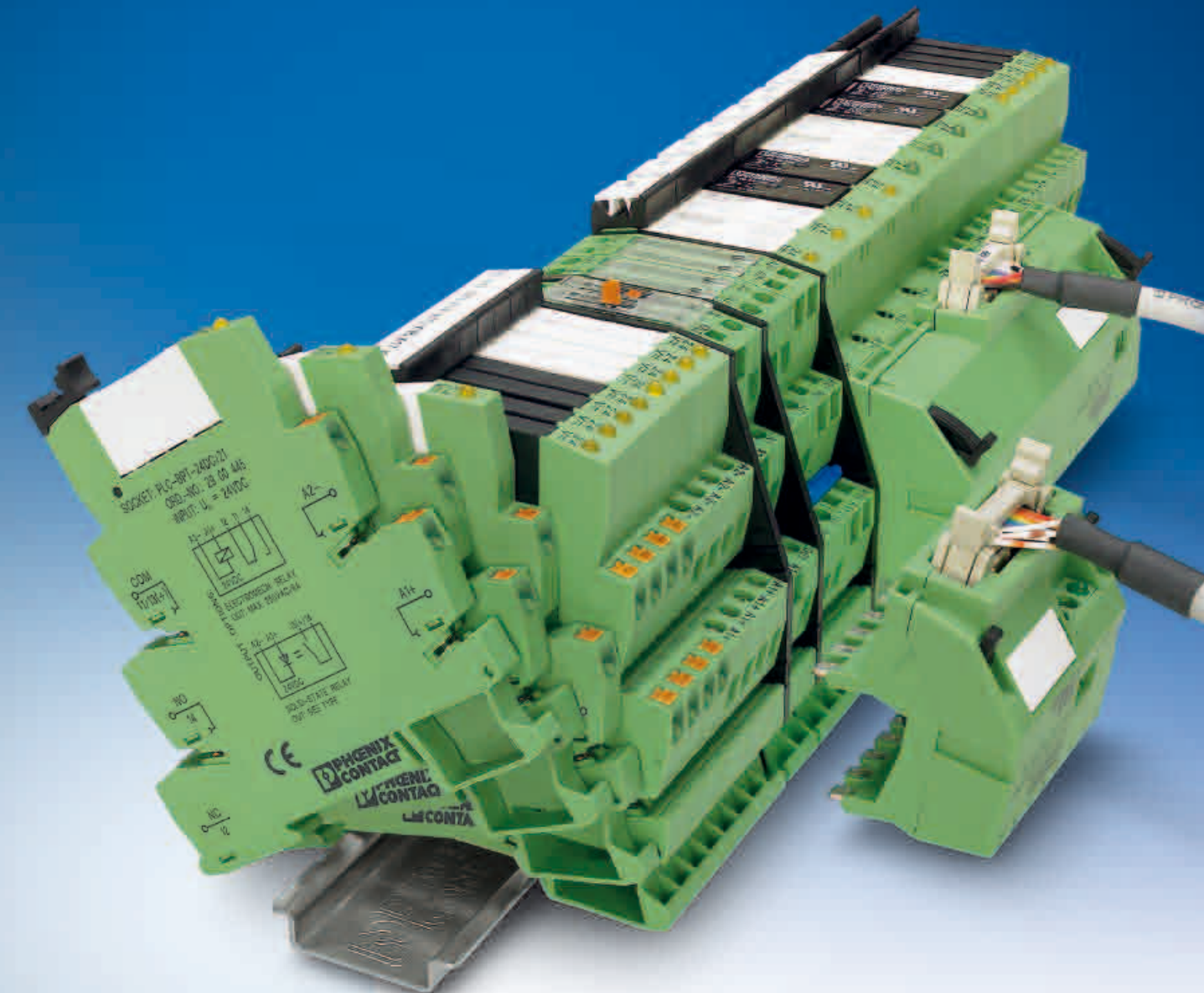
PLC-INTERFACE accessories - the complete range



- 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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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