

Universal series

Note:
Other versions available on request

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

Terminal width	PLC-R.../21	PLC-R.../21AU	PLC-R.../21-21	PLC-R.../21-21AU	PLC-R.../21HC	PLC-O.../48DC/100	PLC-O.../24DC/2	PLC-O.../230AC/1	PLC-O.../300DC/1	PLC-O.../48DC/500/W	PLC-O.../24DC/24DC/10/R	PLC-O.../24DC/100KHZ	PLC-O.../24DC/100KHZ-G	PLC-B...UC/21/SO46 ¹⁾	PLC-B...UC/1/SEN/SO46 ¹⁾	PLC-BSC...UC/21-21/SO46 ¹⁾	PLC-BSC...UC/21/HC/SO46 ¹⁾
Terminal width 6.2																	
Terminal width 8.0																	
Terminal width 14																	

Description	PLC-R.../21	PLC-R.../21AU	PLC-R.../21-21	PLC-R.../21-21AU	PLC-R.../21HC	PLC-O.../48DC/100	PLC-O.../24DC/2	PLC-O.../230AC/1	PLC-O.../300DC/1	PLC-O.../48DC/500/W	PLC-O.../24DC/24DC/10/R	PLC-O.../24DC/100KHZ	PLC-O.../24DC/100KHZ-G	PLC-B...UC/21/SO46 ¹⁾	PLC-B...UC/1/SEN/SO46 ¹⁾	PLC-BSC...UC/21-21/SO46 ¹⁾	PLC-BSC...UC/21/HC/SO46 ¹⁾			
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	33 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)						
Limiting continuous current	6 A	50 mA	6 A	50 mA	10 A	100 mA	3 A	750 mA	1 A	500 mA	1 A	50 mA	10 A	The technical data depends on the assembly type (relay or solid-state relay)						
Contact type	Single contact, 1 PDT	Single contact, 1 PDT	Single contact, 2 PDTs	Single contact, 2 PDTs	Single contact, 1 PDT									The technical data depends on the assembly type (relay)						
Connection method:	<ul style="list-style-type: none"> - Screw connection - Spring-cage connection - Push-in connection (PT) 																			
Input voltage	5 V DC	2966906 2967439 2900316	2966919 2967442 2900317	2967235 2912497 2900329	2967277 2912565 2900337	2967617 2912264 2900290	2967620 2912277 2900291	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	2902964 2902970	2902968 2902974	
5 V DC	2966106 2966107 2900316	2966119 2966120 2900317	2966132 2912510 2900332	2966172 2912581 2900339	2966202 2912659 2900345	2966242 2912727 2900351	2966282 2912795 2900357	2966322 2912863 2900363	2966362 2912931 2900369	2966402 2913000 2900375	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389						
12 V DC	2966119 2966120 2900317	2966132 2912510 2900332	2966172 2912581 2900339	2966202 2912659 2900345	2966242 2912727 2900351	2966282 2912795 2900357	2966322 2912863 2900363	2966362 2912931 2900369	2966402 2913000 2900375	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389							
24 V AC/DC	2966128 2966485 2900300	2966278 2966553 2900307	2967248 2912523 2900333	2967280 2912594 2900340	2967312 2912581 2900339	2967344 2912659 2900345	2967376 2912727 2900351	2967408 2912795 2900357	2967440 2912863 2900363	2967472 2912931 2900369	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389						
48 V DC	2966139 2966511 2900303	2966142 2966579 2900309	2967293 2912536 2900334	2967325 2912604 2900341	2967357 2912694 2900347	2967389 2912784 2900353	2967421 2912874 2900359	2967453 2912964 2900365	2967485 2913054 2900371	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389							
60 V DC																				
110 V DC																				
120 V AC																				
120 V AC/DC	2966197 2966524 2900304	2966201 2966582 2900310	2967086 2912549 2900335	2967138 2912617 2900342	2967190 2912685 2900348	2967242 2912753 2900354	2967294 2912823 2900360	2967346 2912893 2900366	2967398 2912963 2900372	2967450 2913033 2900378	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389						
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	2967193 2912688 2900349	2967245 2912757 2900355	2967297 2912827 2900361	2967349 2912897 2900367	2967401 2912967 2900373	2967453 2913037 2900379	2980681 2980843 2900384	2980694 2980856 2900385	2980707 2980869 2900387	2980720 2980885 2900389						

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

Electromechanical relays/solid-state relays

Terminal width	PLC-B...UC/21/SO46 ¹⁾	PLC-B...UC/1/SEN/SO46 ¹⁾	PLC-BSC...UC/21-21/SO46 ¹⁾	PLC-BSC...UC/21/HC/SO46 ¹⁾
Terminal width 6.2				
Terminal width 8.0				
Terminal width 14				

Actuator series

Note:
Other versions available on request

Terminal width	PLC-R.../1/ACT	PLC-R.../1/IC/ACT	PLC-O.../24DC/2/ACT	PLC-OSC.../230AC/1/ACT	PLC-R.../1AU/SEN	PLC-O.../48DC/100/SEN	PLC-S...ELR W 1/2-24DC
Terminal width 6.2							
Terminal width 14							

Description	PLC-R.../1/ACT	PLC-R.../1/IC/ACT	PLC-O.../24DC/2/ACT	PLC-OSC.../230AC/1/ACT	PLC-R.../1AU/SEN	PLC-O.../48DC/100/SEN	PLC-S...ELR W 1/2-24DC
Maximum switching voltage	250 V AC/DC	250 V AC/DC	33 V DC	253 V DC	30 V AC/36 V DC	48 V DC	30 V DC
Limiting continuous current	6 A	10 A	3 A	50 mA	100 mA	100 mA	2 A
Contact type	Single contact, 1 N/O contact	Single contact, 1 N/O contact					
Connection method:	<ul style="list-style-type: none"> - Screw connection - Spring-cage connection - Push-in connection (PT) 						
Input voltage	5 V DC	2966210 2967345 2900312	2967604 2912413 2900298	2980144 2980157 2900375	2966676 2967507 2900376	2967947	2980539 2980555 2900377
5 V DC							
24 V DC							
48 V DC							
120 V AC/DC							
230 V AC/DC							

Sensor series

Electromechanical relays Solid-state relays

Terminal width	PLC-R.../1AU/SEN	PLC-O.../48DC/100/SEN
Terminal width 6.2		
Terminal width 8.0		
Terminal width 14		

Switch modules

For "manual-0-automatic" mode

Terminal width	PLC-RS.../24UC/1/S...	PLC-S.../S/...
Terminal width 6.2		
Terminal width 8.0		
Terminal width 14		

Adapters for PLC-INTERFACE

For connection with system cabling

Terminal width	REL-MR...21	REL-MR...21-21	OPT...
Terminal width 6.2			
Terminal width 8.0			
Terminal width 14			

Relays and solid-state relays

For equipping the PLC...SO46 and PLC...TTL/1 basic terminal blocks

Terminal width	PLC-B...UC/21/SO46	PLC-B...UC/1/SEN/SO46	PLC-BSC...UC/21-21/SO46	PLC-BSC...UC/21/HC/SO46	PLC-B...TTL/1
Terminal width 6.2					
Terminal width 8.0					
Terminal width 14					

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

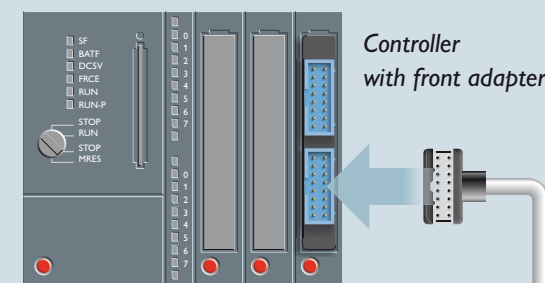
PLC-INTERFACE

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



Controller with front adapter

System cable

PLC-V8 adapter

PLC relay with PT connection

Sensor

Actuator

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.

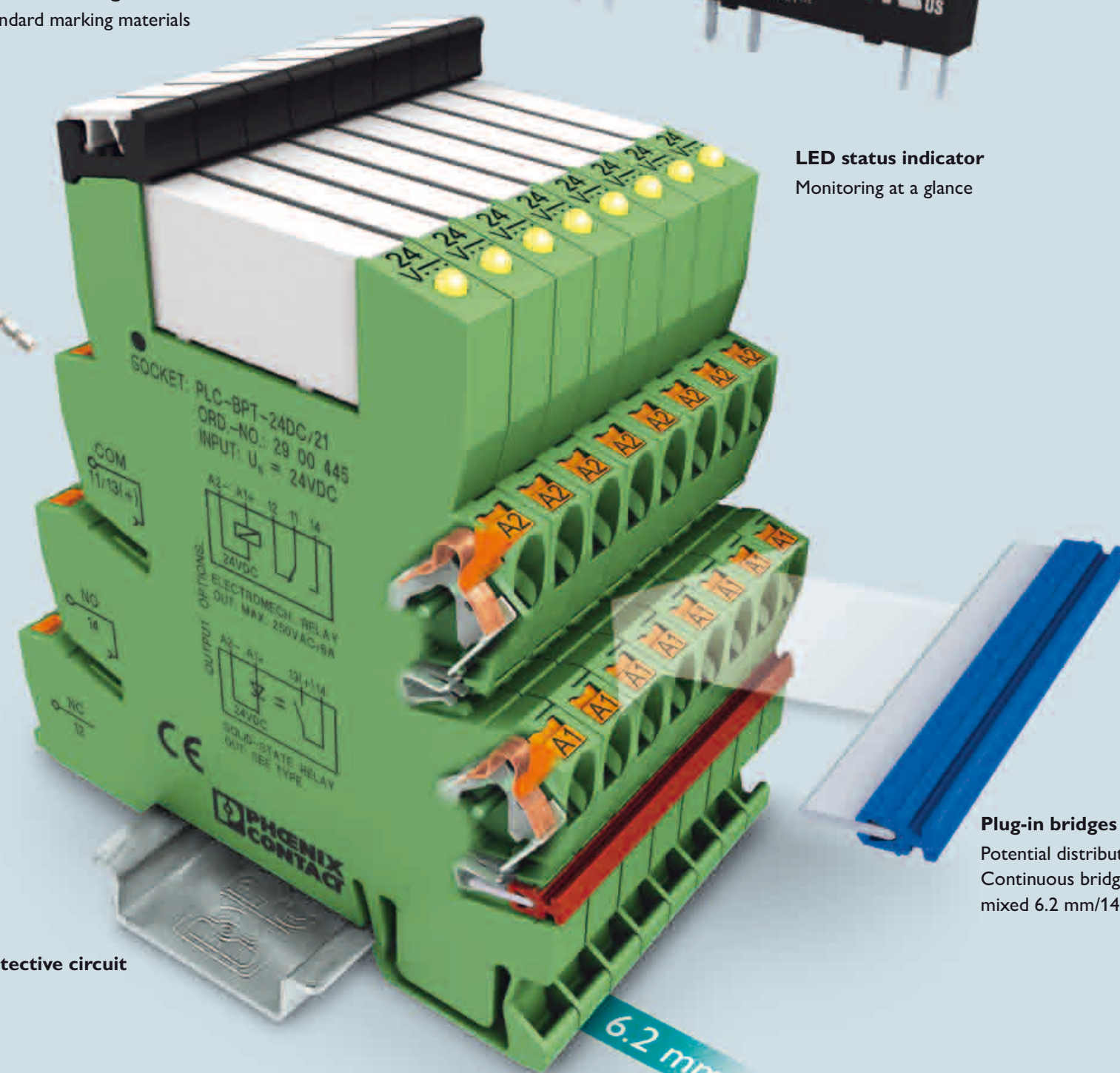
You can find more information about system cabling with PLC-INTERFACE and INTERFACE Cabling in our catalog or at www.phoenixcontact.com

Professional marking
With standard marking materials



Relay/solid-state relay
Easy to replace

LED status indicator
Monitoring at a glance

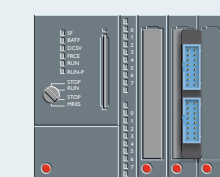


Plug-in bridges instead of wiring
Potential distribution saves time. Continuous bridge also suitable for mixed 6.2 mm/14 mm PLC structures.

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

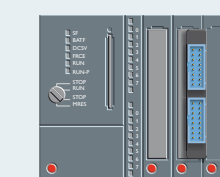
Integrated input circuit and protective circuit
No external wiring required

PLC-INTERFACE series



PLC sensor and PLC actuator series

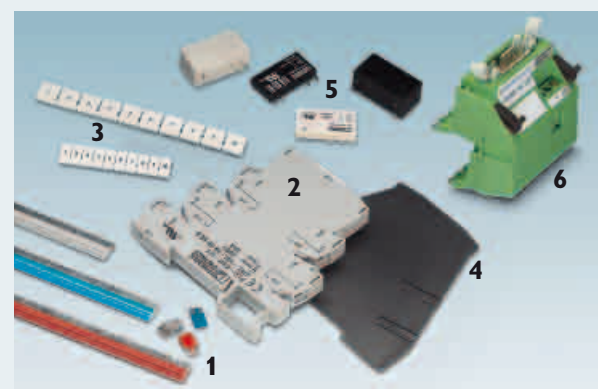
- Enormous savings in terms of time, space, and costs
- All connections for sensors and actuators directly on the coupling relay
- No additional modular terminal blocks for supply (sensor version) and output (actuator version)
- Available with screw, spring-cage or PT connection (same shape)
- With plug-in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

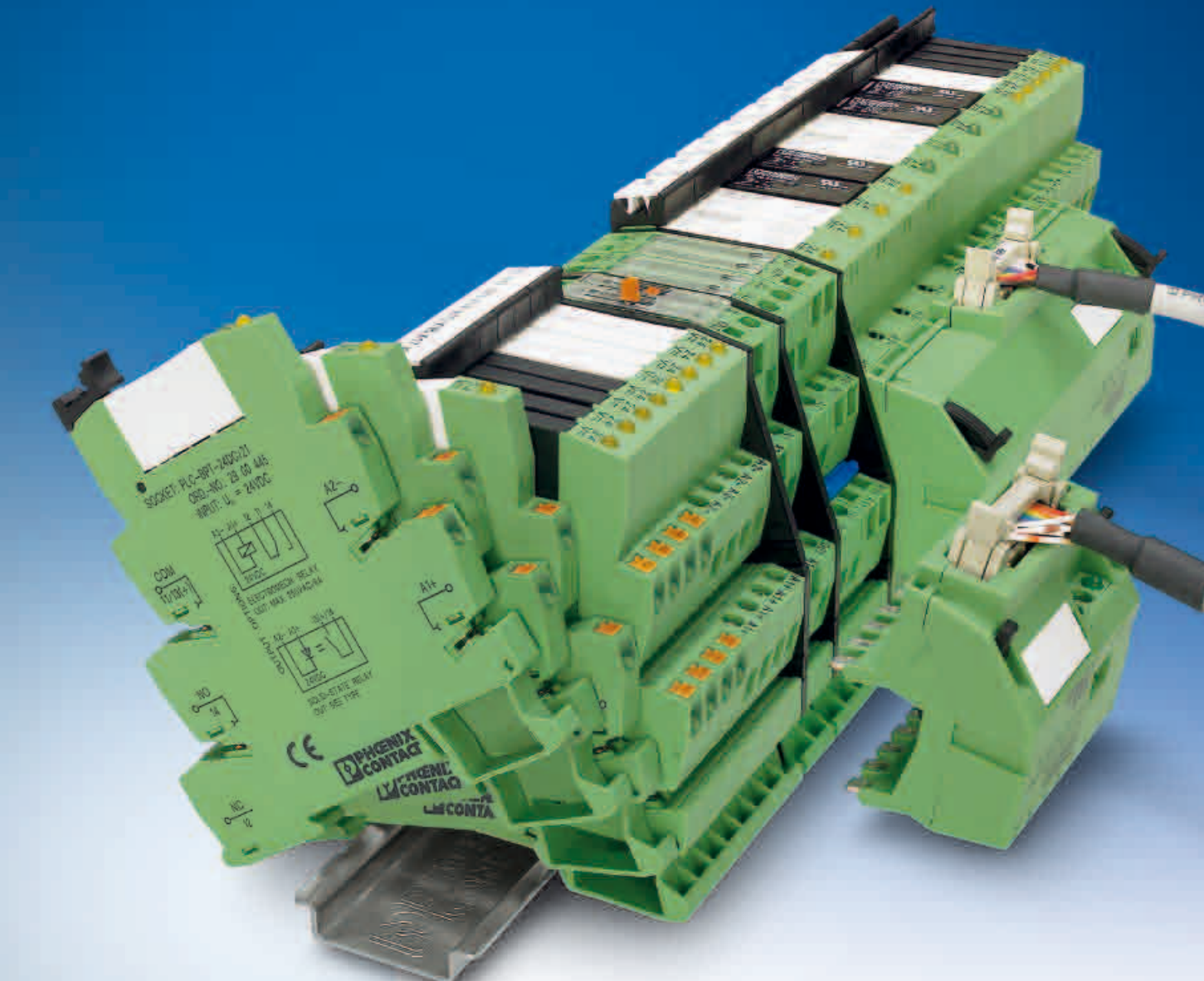
PLC-INTERFACE accessories - the complete range



- 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 «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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