
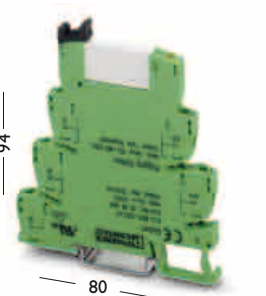
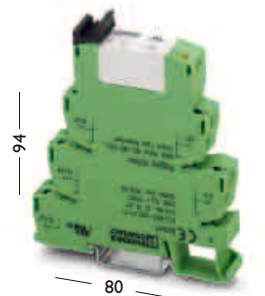
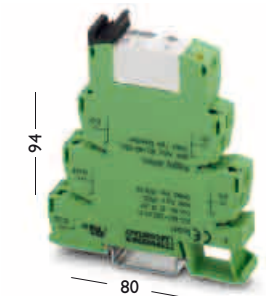
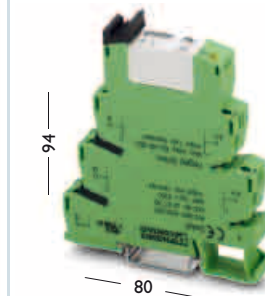
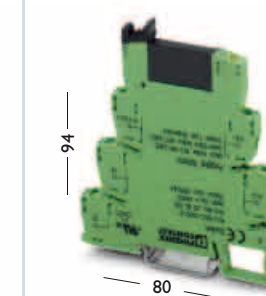
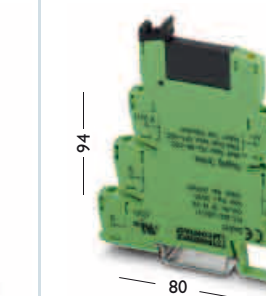
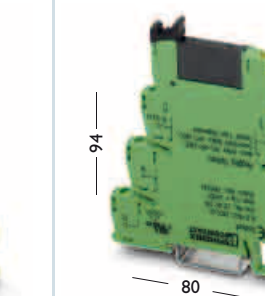
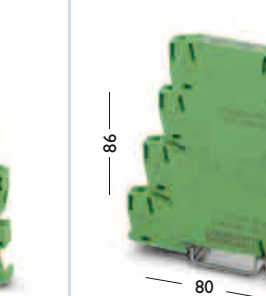
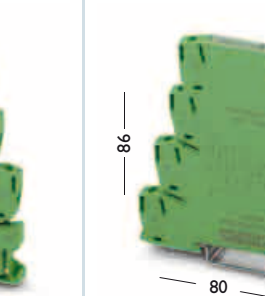
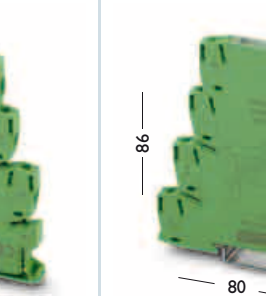
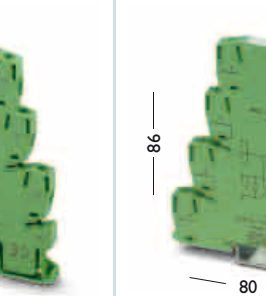
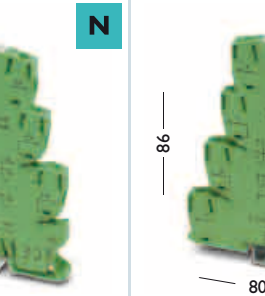
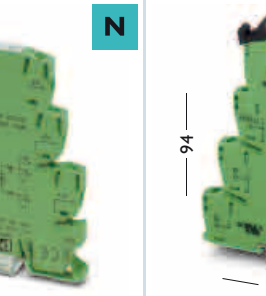
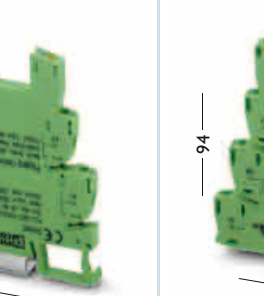
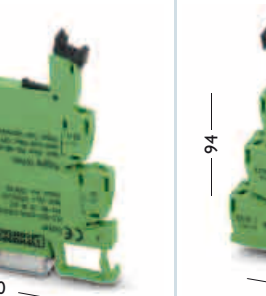
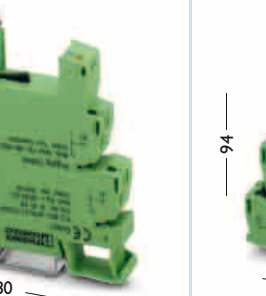









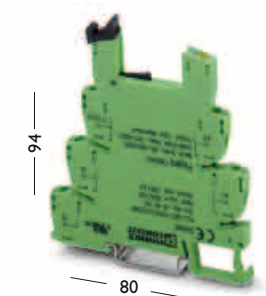
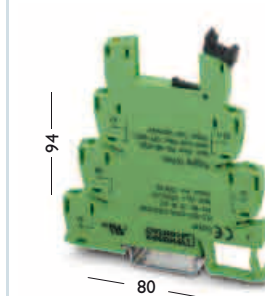
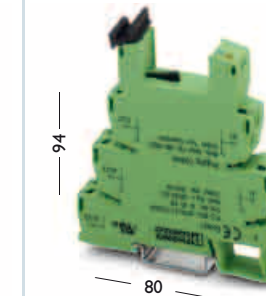
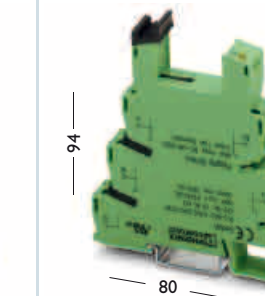





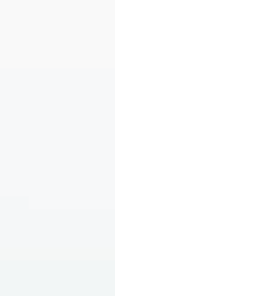
Universal series

Note:
Other versions available on request

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



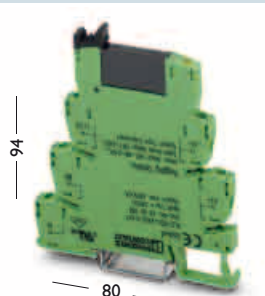
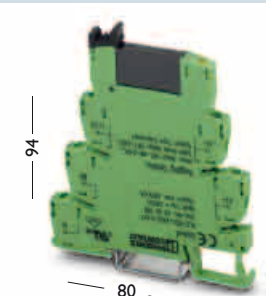
Electromechanical relays		Solid-state relays																								
																										
Terminal width 6.2	Terminal width 6.2	Terminal width 14	Terminal width 14	Terminal width 14	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	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 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 14	Terminal width 14	Terminal width 14	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 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 Limiting continuous current Contact type Connection method: - Screw connection - Spring-cage connection - Push-in connection (PT)	250 V AC/DC 6 A Single contact, 1 PDT	30 V AC/36 V DC 50 mA Single contact, 1 PDT	250 V AC/DC 6 A Single contact, 2 PDTs	30 V AC/36 V DC 50 mA Single contact, 2 PDTs	48 V DC 10 A Single contact, 1 PDT	33 V DC 3 A	253 V AC 750 mA	300 V DC 1 A	48 V DC 500 mA	33 V DC 10 A	24 V DC 50 mA	24 V DC 50 mA	The technical data depends on the assembly type (relay or solid-state relay)	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)										
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 2967125 2912565 2900337 2967125 2912578 2900330 2967112 2912581 2900339 2967248 2912594 2900340 2967293 2912536 2900334 2967303 2912604 2900341	2967617 2912264 2900290 2967620 2912277 2900291 2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354	2966728 2967549 2900352 2966634 2967471 2900364 2967840 2967895 2900369 2966993 2967743 2900353 2967455 2967756 2900354

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

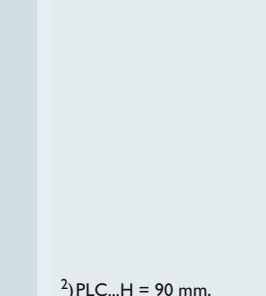

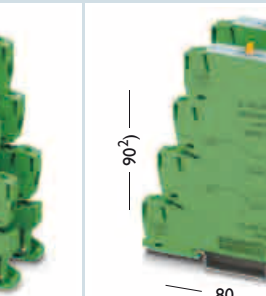
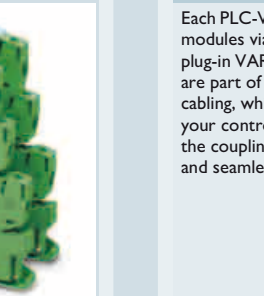
Electromechanical relays/solid-state relays									
									
Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2
PLC-B...UC/21/SO46¹⁾ Basic terminal block with integrated 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						
The technical data depends on the assembly type (relay or solid-state relay)	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)						
2902963	2902969	2902967	2902973						
2902964	2902970	2902968	2902974						
		Types with 5 V DC output voltage available on request							
		2980319	2980351	2900453	2980322	2980364	2900456	2980416	2980432
		2980335	2980377	2900455	2980348	2980380	2900457	2980429	2980445

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 Limiting continuous current Contact type Connection method: - Screw connection - Spring-cage connection - Push-in connection (PT)	250 V AC/DC 6 A Single contact, 1 N/O contact	33 V DC 3 A	253 V DC 750 mA 50 mA Single contact, 1 N/O contact
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
	2966210 2967345 2900312 2967604 2912413 2900298	2966320 2967390 2900314 2966333 2967413 2900315	2966799 2967581 2900359 2966809 2967594 2900361

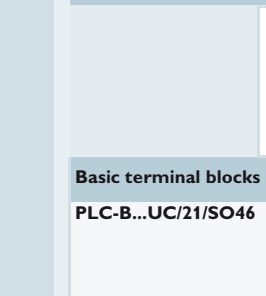
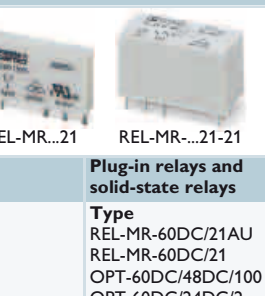
Sensor series

Electromechanical relays		Solid-state relays	
			
Terminal width 6.2	Terminal width 6.2	Terminal width 6.2	Terminal width 6.2
PLC-R.../1AU/SEN Sensor series equipped with plug-in relay for low switching capacities, with gold-plated multi-layer contact	PLC-O.../48DC/100/SEN Sensor series equipped with plug-in power solid-state relay	PLC-S...ELR W 1/2-24DC Electronic reversing load relay for motors up to 24 V DC/2 A	
Maximum switching voltage Maximum switching current Confirmation Connection method: - Screw connection - Spring-cage connection - Push-in connection (PT)	30 V AC/36 V DC 50 mA Single contact, 1 N/O contact	48 V DC 100 mA	30 V DC 2 A
Input voltage	2966317 2967374 2900313 2966773 2967578 2900358	2980539 2980555 2900377	2966320 2967390 2900314 2966333 2967413 2900315
	2966317 2967374 2900313 2966773 2967578 2900358	2980539 2980555 2900377	2966320 2967390 2900314 2966333 2967413 2900315

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/... Integrated switch, operated manually or with screwdriver
Input voltage Maximum switching voltage Maximum switching current Confirmation Connection method: - Screw connection - Spring-cage connection - Push-in connection (PT)	24 V AC/DC 250 V AC/DC 6 A ≤ 72 V AC/DC/50 mA
Manual operation PLC.../S/... Operation with screwdriver	72 V DC 50 mA ≤ 72 V DC/50 mA
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
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 15-pos. D-SUB connection, module width 49.6 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
Pin strip	OUTPUT PLC-V8/D15S/OUT 2296058
Female connector	INPUT PLC-V8/D15S/IN 2296074
	OUTPUT PLC-V8/D15B/OUT 2296061
	INPUT PLC-V8/D15B/IN 2296087
For 14 mm PLC-INTERFACE , with 14-pos. flat-ribbon cable connection, module width 112.3 mm	
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
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

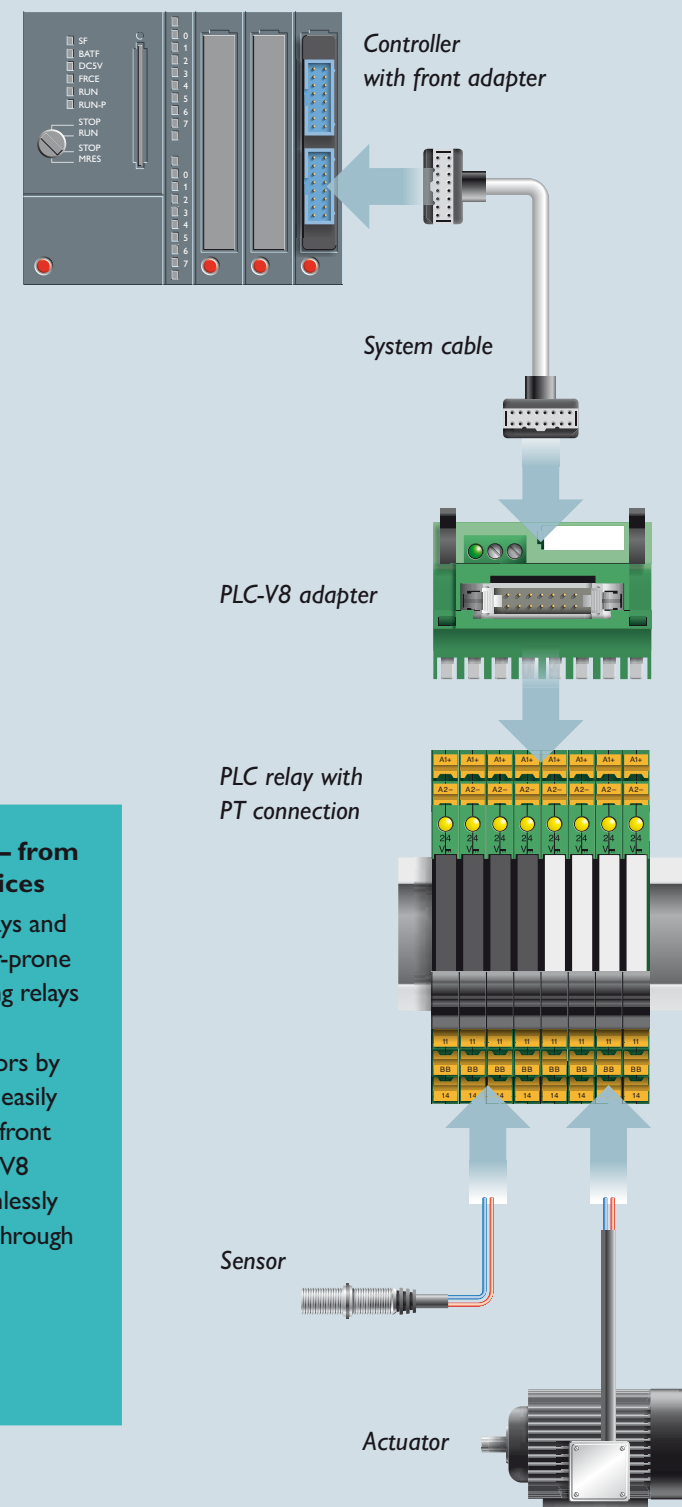
PLC-INTERFACE

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.

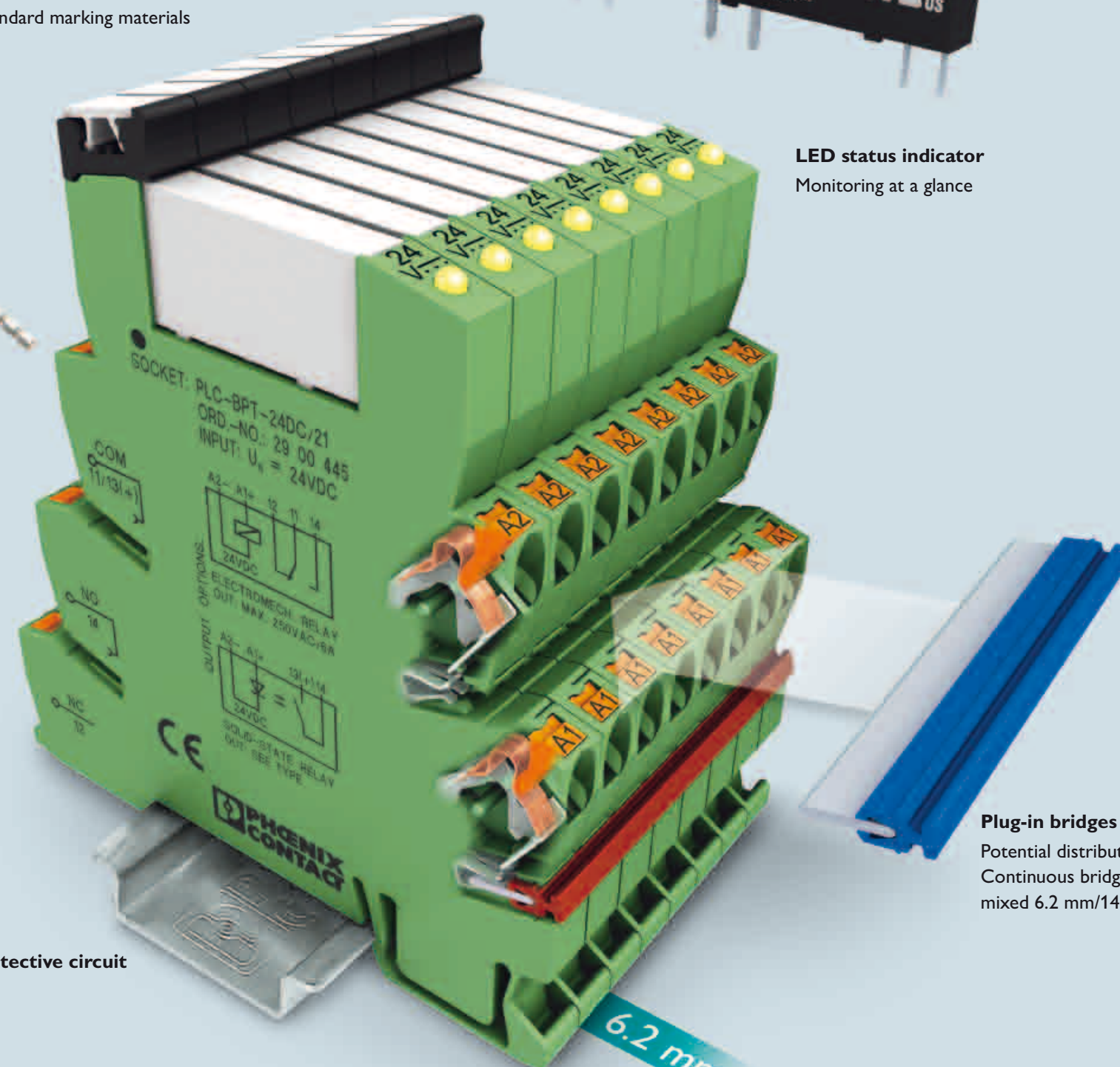
You can find more information about system cabling with PLC-INTERFACE and INTERFACE Cabling in our catalog or at www.phoenixcontact.com

Professional marking
With standard marking materials



Relay/solid-state relay
Easy to replace

LED status indicator
Monitoring at a glance

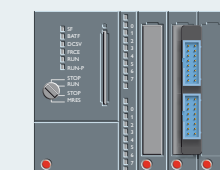


Plug-in bridges instead of wiring
Potential distribution saves time. Continuous bridge also suitable for mixed 6.2 mm/14 mm PLC structures.

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

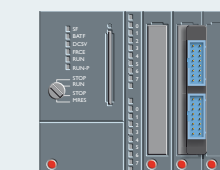
Integrated input circuit and protective circuit
No external wiring required

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

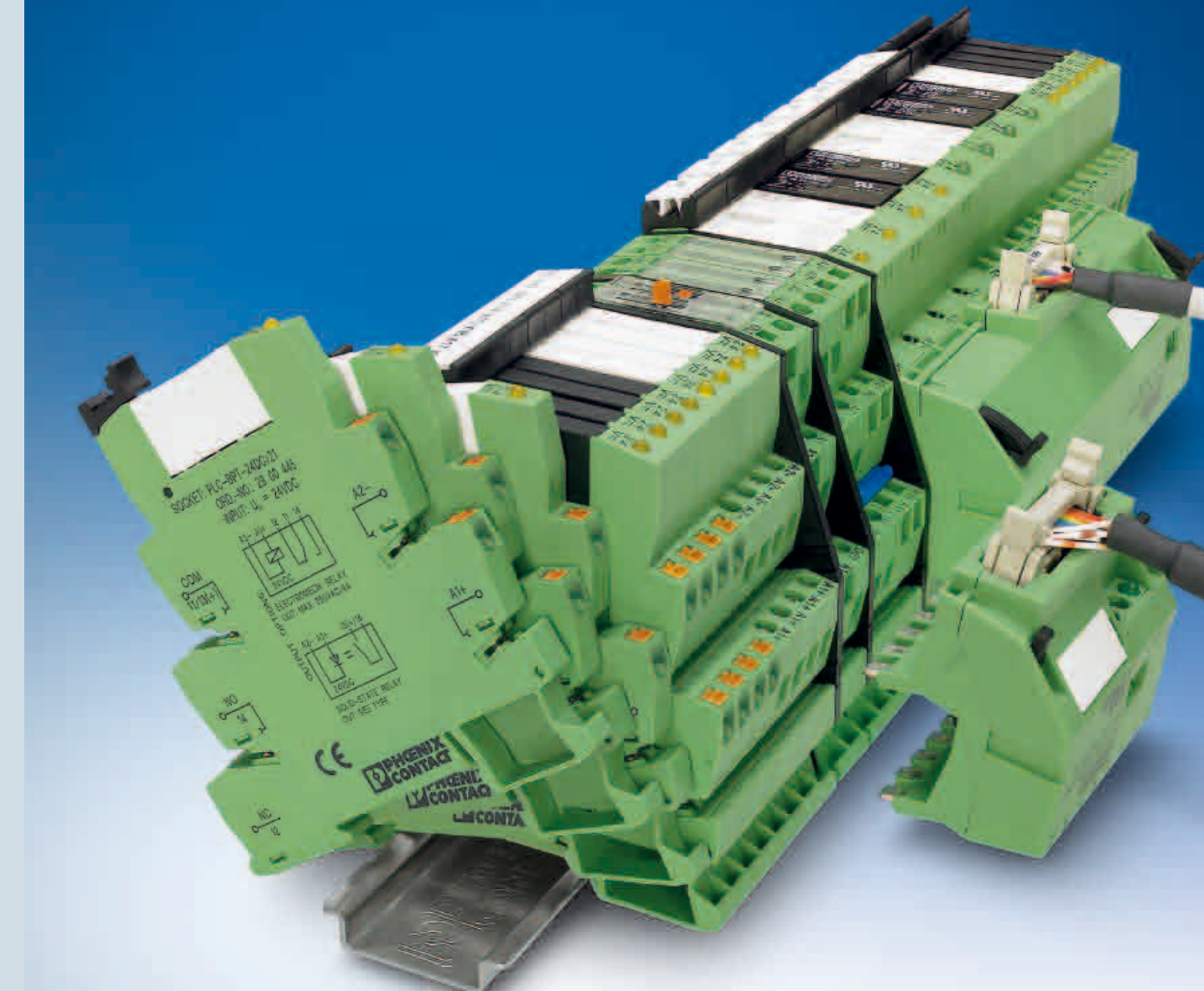
PLC-INTERFACE accessories - the complete range



- 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