



HIGHLIGHTS 2009

Innovations for your success



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NEW PRODUCTS

Innovative New Products from Phoenix Contact

Phoenix Contacts position as the global market leader in connection, signal conversion and interface, surge protection and industrial automation technology, is achieved by providing "Inspiring Innovations".

During 2009 Phoenix Contact will launch over 2600 new and innovative products which were showcased at this years Hannover Messe fair in April.

To accompany these launches we have released our Highlights 2009 brochure showing new key products and technologies.

PSR TRISAFE – A new configurable safety module

PIT Modular Terminal Blocks – A new generation of the CLIPLINE Complete system allowing easy plugging and guaranteeing contact quality

Compact Controllers – New 100 class provides a quick and easy start to the world of Automation

Marking Systems – New solutions using power-saving LED technology

Tools – A complete range of professional tools for all applications

Circuit Breakers – New thermomagnetic circuit breakers help put systems back into operation quickly

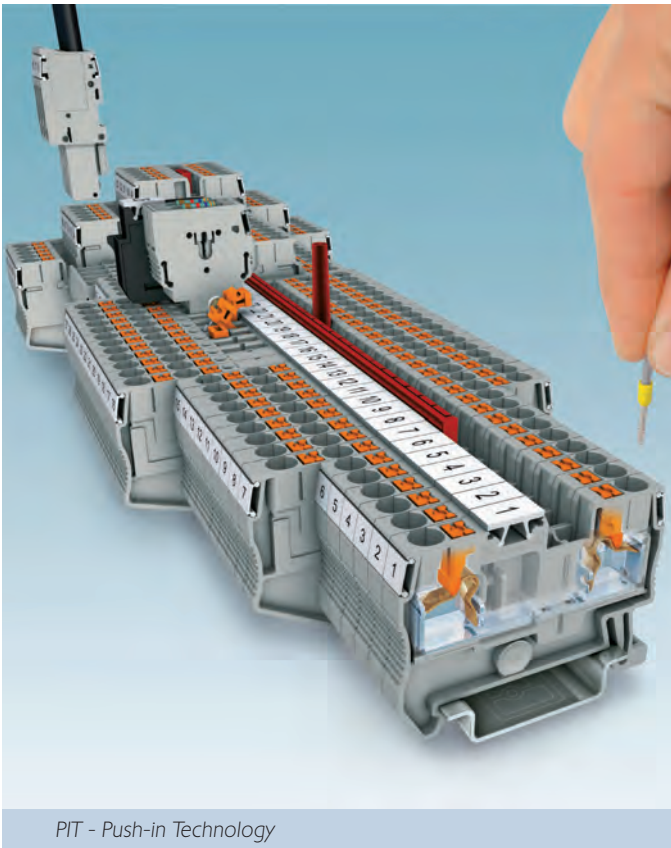
PCB Connectors – New 125A PCB connectors made pluggable with a new connector series

LINETRAB & SURGETRAB – Surge protection devices to prevent system damage and downtime

To receive a copy please complete and return the faxback form on the back page of this edition of Update.



PSR TRISAFE - New configurable safety module



PIT - Push-in Technology

Terminal Blocks with Push-In Connection Technology

Using the new PIT range of terminal blocks in the “CLIPLINE complete” system from Phoenix Contact, small, flexible wires with cross sections as small as 0.34 mm², which are fitted with a ferrule, can now be connected directly without the need for extra tools. As soon as the wire is inserted, the contact springs open automatically. With plugging forces up to 50 percent lower than before, it has never been easier to plug in wires and establish contacts. The high contacting forces exceed those stipulated by the relevant standards and ensure that the contacts between conductors are both reliable and high in quality.

To remove a conductor, simply press one of the new buttons with a suitable tool. This pressure is transmitted to the interior contact springs, which open the terminal to its maximum. The orange colour of the button marks it as an actuating element and reliably prevents mistakes.

The new series includes a wide range of terminal types for wire cross sections of up to 2.5 mm². This includes feed-through terminals, multi-level terminals and multi-conductor terminals. This extensive product range is rounded out to include component terminals, base terminals and disconnect terminals. The PIT range of terminal blocks exploits the advantages offered by the “CLIPLINE complete” system. This includes interchangeable connecting technologies and standardised accessories such as plug-in bridges, marking systems and testers

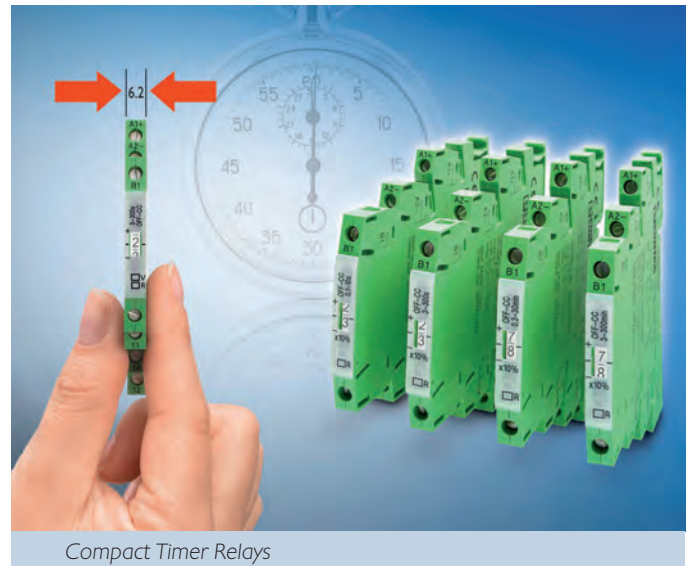
Compact Timer Relays Save up to 70% Space

Phoenix Contact has introduced a new product range of relays consisting of single function timer relays with 6.2 mm narrow housings. Compared with conventional timer relays, the narrow design of these relays allow for space savings of up to 70% in control cabinets.

The time settings can be adjusted precisely using the clearly labelled, illuminated dial at the front. To protect against unintentional changes, the knurled dial is recessed into the casing and can be adjusted using a screwdriver. With time settings ranging from 0.1 seconds to 300 minutes and four different functions, these relays can be customised according to the demands of the application.



Phoenix Contacts Range of Timer Relays



Compact Timer Relays

The timer relays are powered with 24 V DC and output signals are transmitted using a floating change-over contact. Equivalent potentials can be quickly connected using a plug-in bridge system available in the PLC relay product range from Phoenix Contact. The PLC-V8 adapter, available as an accessory, can be used to quickly and securely connect Varioface system cables.

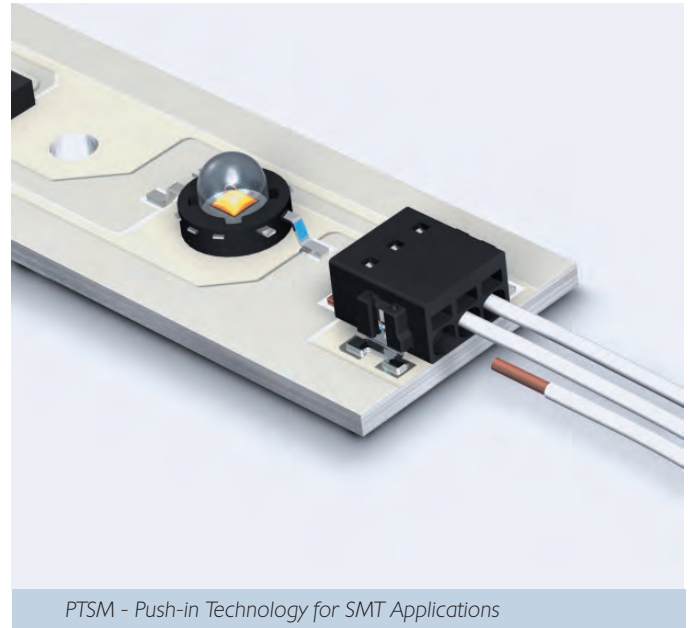
The new compact timer relays can be used for various time control functions, eliminating the need for mini controllers in some applications. As no programming is required, this saves both time and money.

Spring Force Terminal Block with Push-In Technology for SMT Applications

Miniature PCB terminal blocks and connectors make your devices even more compact. With an innovative connection technology the smallest spring-cage PCB terminal blocks from Phoenix Contact, can save space during conductor connection. This makes them ideal for devices that use LED lighting technology where there is the need for small connections.

Along with a height of only 5 mm the new PTSM print terminal block offers a comfortable releasable spring force connection technology.

The new terminal block is available for SMT and THR processes and allows simple connection for cross-section up to 0.75 mm².



PTSM - Push-in Technology for SMT Applications

Technical Data

Current 6 A
 Voltage 160 V
 Conductor cross-section solid/stranded 0.14/0.2 – 0.75 mm²
 (AWG 24-20)
 Pitch 2.5 mm

Surge Protection for Four Signals within 6.2 mm Pitch

The new LINETRAB surge protection devices from Phoenix Contact provide effective surge protection for control systems and process plants, as well as helping to prevent costly downtimes.

The narrow surge arrestors protect up to four signal wires with diameters of 6.2 mm. It is possible to provide surge protection for four-cable measurements using just a single module.

Normal mode surge protection between the signal wires can be extended to almost any I/O count across multiple modules using a T-bus adapter for mounting rails. This can provide effective protection for interfaces with more than four signals (e.g., for six line measurements).

Since the surge-resistant PE snap-in foot establishes a local grounded connection during assembly, this saves both time and money.

Using the PLC Interface system cabling, the surge protectors can be quickly and easily connected to signal converters or isolators, like the Mini Analogue isolating amplifiers from Phoenix Contact or to any conventional PLC.



LINETRAB & Mini Analogue

NEW LITERATURE

Latest 2009 CD Catalogue

The latest 2009 Catalogue is now available on CD including all of our major product families including CLIPLINE complete, Wireless and Bluetooth communications, PCB connectors for 'lead-free' processes and many other innovative solutions for your extensive range of applications.

To request your free copy, please complete the faxback form below.



New Compact Catalogue

Phoenix Contact has recently released a new handy size Compact catalogue, based on extracts from the complete range of products and full of the latest innovations including industrial Wireless & Bluetooth, industrial power supplies, safety relays, surge protection, industrial connectors CLIPLINE complete, MARKING Systems, PCB and industrial Ethernet.

Based on the content of the other six catalogues this version represents the most popular ranges in only one document making it easier to find the most often used products.

To request your free copy, please complete the faxback form below.

READER SERVICE (COPY, CHECK AND FAX BACK)

Fax to 0845 881 2211

Name _____
Title _____
Company _____
Address _____
Post code _____
Phone _____
e-mail _____

I am interested in:

(Please tick the appropriate options)

- Highlights 2009
- PIT - Push in Technology
- Compact Timer Relays
- Mini PCB
- LINETRAB Surge Protection
- CD Catalogue
- Compact Catalogue
- Design, Build and Enclose Seminars

How can we help?

- Please send me literature on the above
- Please call me regarding the above
- Please remove me from your mailing list

EVENTS

Design, Build and Enclose Workshop & Seminar

Strategic partners EPLAN, Phoenix Contact and Rittal have recently held several half day workshops and seminars offering innovative solutions that can save you time and provide flexibility in the way you design, build and enclose your control cabinets.

This partnership offers better quality, significant time savings and greater accuracy in project planning by closing the gap between planning and manufacturing, while making users even more productive.

Live demonstrations show the electrical control design using EPLAN software, through to din-rail assembly and marking with Phoenix Contact's CLIP PROJECT software, to full integration into Rittal cabinets.

Sessions include a complimentary lunch beginning at 12.15pm (approx). The seminar will run from 1.00pm until 4.15pm (approx)

The final scheduled workshop will be held in Warrington on the 2nd July with further dates and locations provisionally planned for later in the year

July 2nd
Warrington
The Fir Grove Hotel
Knutsford Old Road,
WA4 2LD

Please Note: Registration for these workshops is required

To register visit our website www.phoenixcontact.co.uk/contact and look at Local Events or send your details by e-mail to register@phoenixcontact.co.uk.



If you would like to received information on future workshops, please complete the faxback form at the bottom of this page and we will keep you informed.

EVENTS

DSEi Exhibition

8th - 11th September 2009
Stand Number 594, UK Pavilion,
Excel, London
www.dsei.co.uk



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