



The narrowest surge protection solution for MCR applications

The TERMITRAB complete product range

Surge protection for MCR applications

TERMITRAB complete is the world's narrowest surge protection solution for MCR technology. The new product range provides you with a complete system offering advantages such as a status indicator and optional remote signaling.

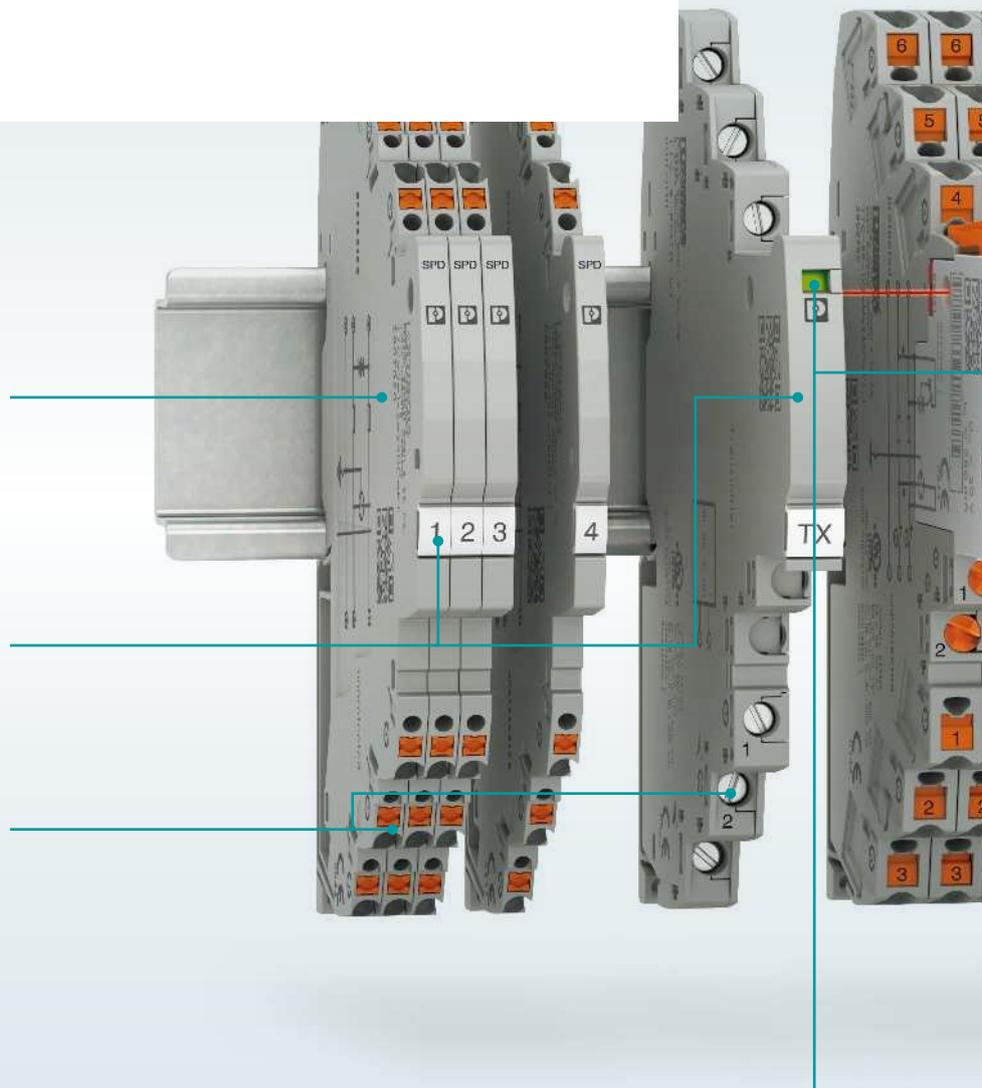
The narrowest surge protective devices are just 3.5 mm wide.

Extremely narrow overall width

Build smaller systems with the world's narrowest surge protection solution starting from just 3.5 mm.

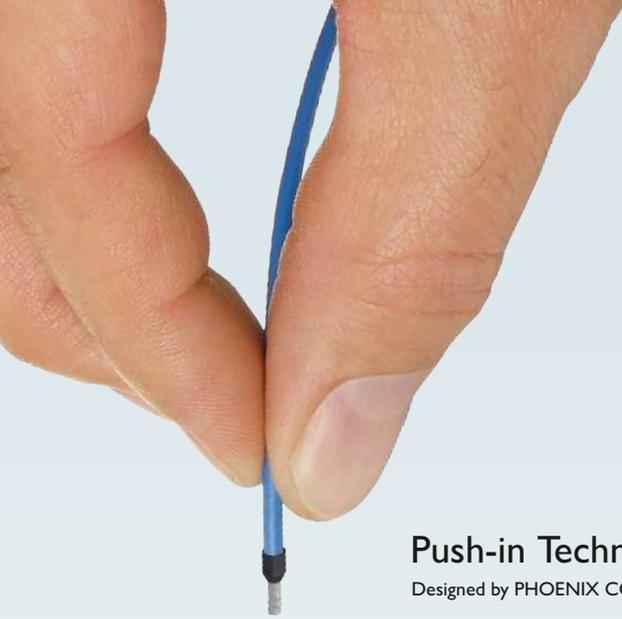
Use the free marking area or Phoenix Contact marking material for customized marking.

The choice is yours: Push-in or screw connection technology.



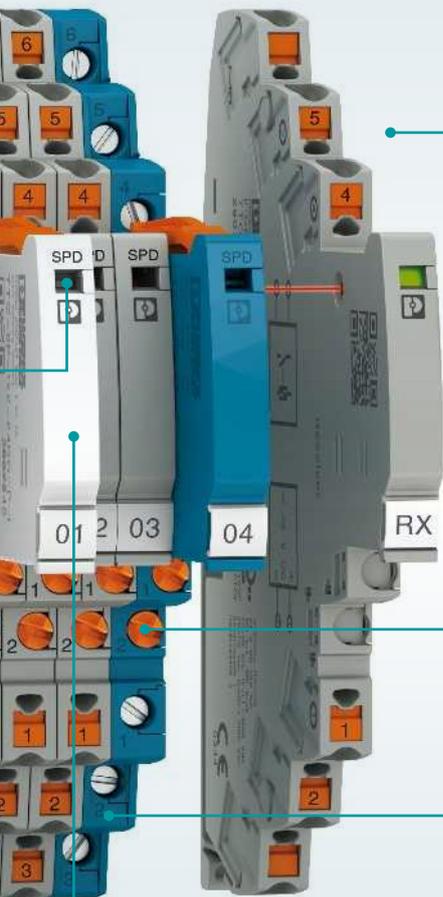
Status indicator and optional remote signaling

Use the integrated status indicator and simple remote signaling system to detect overloaded surge protective devices.



Push-in Technology[®]

Designed by PHOENIX CONTACT



Tailored portfolio

Choose from various circuits and features to suit your specific requirements.

Simplify maintenance work, thanks to the integrated, innovative knife disconnection.

Utilize international certifications and Ex approvals for worldwide use in demanding ambient conditions.

Use CHECKMASTER 2 to test and document the condition of pluggable surge protection modules.

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COMPLETE line

The new standard for the control cabinet. More information is available on pages 22 to 23.

Extremely narrow overall width

A wide range of signals is transmitted in measurement and control technology. This requires an increasingly large packing density. The new TERMITRAB complete product range provides surge protection starting from an overall width of just 3.5 mm and meets this requirement. This is made possible by the innovative Push-in connection technology and the use of particularly flat components.

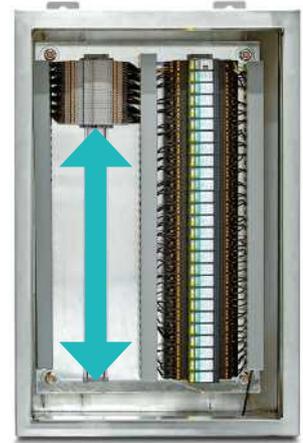
The protective devices with an overall width of 6 mm also offer an unprecedented range of circuit versions and product features. TERMITRAB complete increases the availability of your system while also providing significant space savings.



Protection for 572

Significant space savings for 26 modules

The example illustration shows the space required to protect 26 current loops with a 1x2 circuit. With an overall width of 17.5 mm, the protective devices from the PLUGTRAB PT-IQ product range provide multi-stage function monitoring. With an overall width of 6 mm, TERMITRAB complete offers space savings of around 24% in addition to its remote signaling function. The ultra-slim versions with an overall width of just 3.5 mm provide space savings of over 80%.



signals in 1 meter

Your advantages

- ✓ Cut the amount of space required for surge protection in half
- ✓ Save money, thanks to smaller control cabinets
- ✓ Gain valuable installation space for your system planning

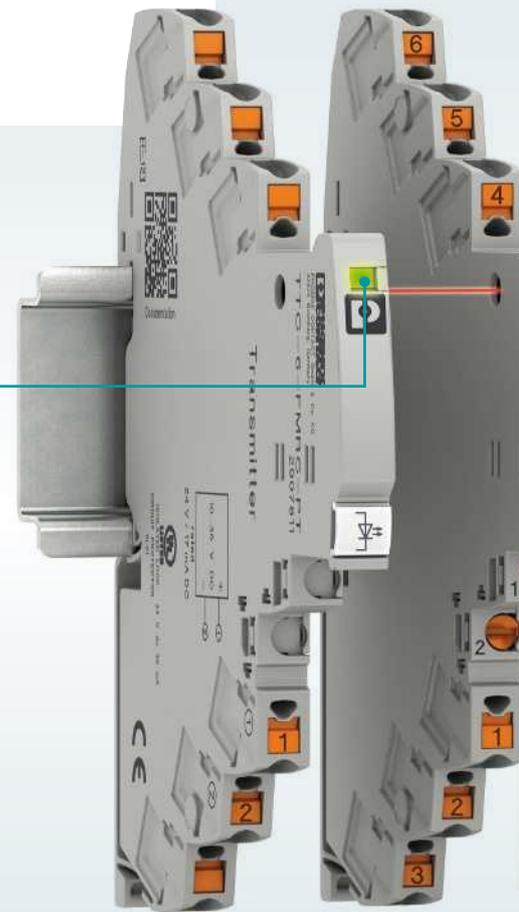
Status indicator and optional remote signaling

TERMITRAB complete provides mechanical signaling right at the protective device. This is enabled by a disconnect device which ensures the safe behavior of the surge protection solution in the event of an overload.

If desired, you can use optional remote signaling modules to monitor the remote tunnel in each protection module by means of a photoelectric barrier. If the light beam is interrupted, a floating contact transmits the group message to the control room. Your advantage: you are always notified of the status of your surge protection solution and can replace overloaded protective devices quickly.

Status indicator

Mechanical signaling indicates overloaded protective devices that can be replaced. The indicator on the surge protective device does not require any auxiliary power.



Your advantages

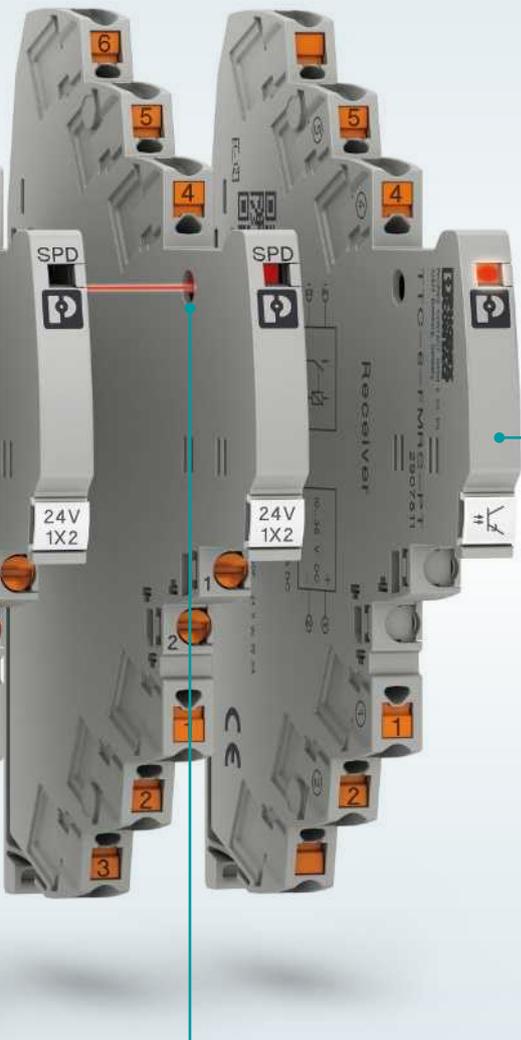
- ✓ Safe disconnection in the event of an overload
- ✓ Mechanical status indicator on the protective device
- ✓ Remote signaling sets are easy to retrofit
- ✓ Remote monitoring of up to 40 protective devices per remote signaling set
- ✓ No configuration required for the remote signaling module or protective device
- ✓ Remote signaling sets with Push-in or screw connection



Everything working



The last surge protection module has been triggered



Remote signaling

The optional remote signaling module uses a photoelectric barrier to monitor the status of up to 40 adjacent protective devices. A floating contact transmits the status to the control room. Installation is extremely easy because the protection modules do not require any programming or additional wiring.

Overload protection

The disconnect device ensures safe behavior in the event of an overload. The remote tunnel is closed and a signal is indicated on the protective device. The measuring signal is unaffected by the disconnection process.

Tailored portfolio

The TERMITRAB complete product range is a tailored product range for all applications in measurement and control technology. You will find the ideal TERMITRAB complete version for your requirements in the portfolio. Depending on your individual requirements, choose from simple protective devices in an ultra-slim design through to products with testable protective plugs, signaling, and optional remote signaling modules.



Ultra-slim

- 3.5 mm overall width
- Push-in connection



Single-stage protective circuit

- 6 mm overall width
- Push-in or screw connection
- With status indicator

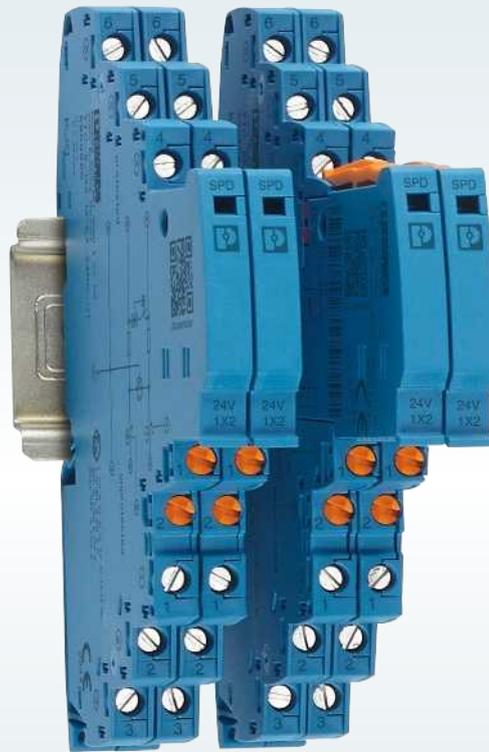


One-piece

- 6 mm overall width
- Push-in or screw connection
- Multi-stage protective circuit
- With or without status indicator
- With or without knife disconnection

Possible selection parameters

- 3.5 mm or 6 mm overall width
- Push-in or screw connection
- Multi-stage or single-stage protective circuit
- One-piece or pluggable
- With or without status indicator
- With or without knife disconnection
- Non-Ex areas or Ex areas



Pluggable

- 6 mm overall width
- Push-in or screw connection
- Multi-stage protective circuit
- With status indicator
- With or without knife disconnection

Ex versions

- 6 mm overall width
- Screw connection
- Multi-stage protective circuit
- One-piece or pluggable
- With status indicator
- With or without knife disconnection
- For Ex areas

Optional remote signaling sets

- 6 mm overall width
- Push-in or screw connection
- Floating contact
- One-piece
- With status indicator
- Transmitter module
- Receiver module

Integrated knife disconnection and other optional features

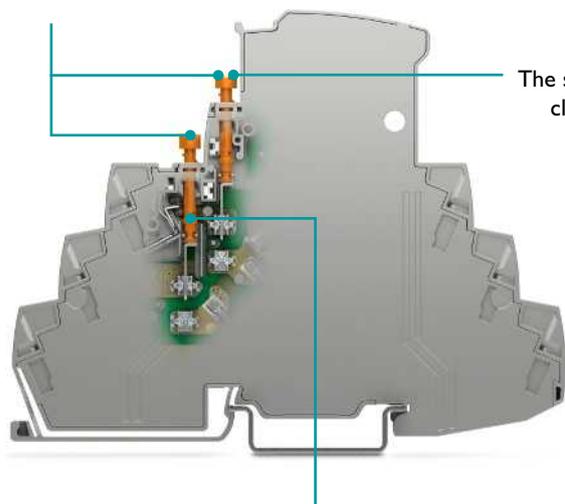
Opening the signal path at the surge protective device

Disconnect terminal blocks installed between MCR modules and field cabling are often used in sensor/actuator cabling. Interrupting signal circuits is easy, thanks to disconnect terminal blocks. This enables you to perform measurements in the field. TERMITRAB complete offers versions with integrated knife disconnection. This saves even more installation space. The

disconnection option can be used on the top two terminal levels. For example, insulation measurements are carried out on the cables without the voltage-limiting components distorting the test results. The function screw for the knife disconnection is equipped with overrotation protection in both directions of rotation. Its position clearly signals the switching state. The

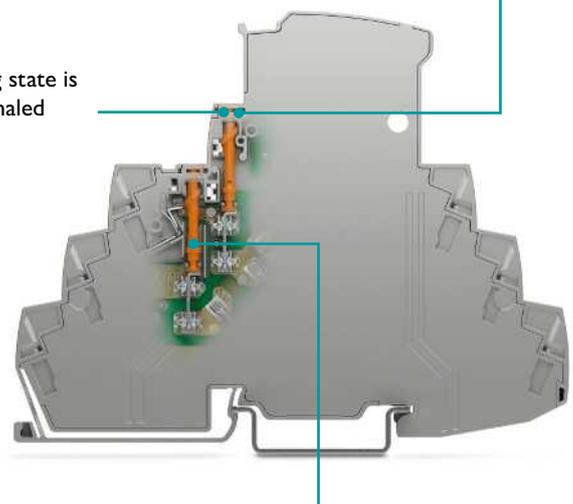
innovative, vertical knife disconnection is enclosed in the housing for the protective devices. This minimizes contamination of the switching contacts in harsh and dusty ambient conditions.

Two disconnect knives for opening individual signal wires



It is easy to service function screws at any time

The switching state is clearly signaled



Overrotation protection when opening and closing

The closed design protects the disconnect knives from any contamination



Advantage of knife disconnection

Knife disconnection enables quick and easy troubleshooting and system maintenance (e.g. when measuring loop resistance levels).



Testing right at the protective device

You can carry out the required measurements or tests right at the protective device without accessing the installation.



Selective protection

For products with screw connection technology, the optional fuse carrier for 5 x 20 mm miniature fuses enables selective overcurrent protection for signal lines.

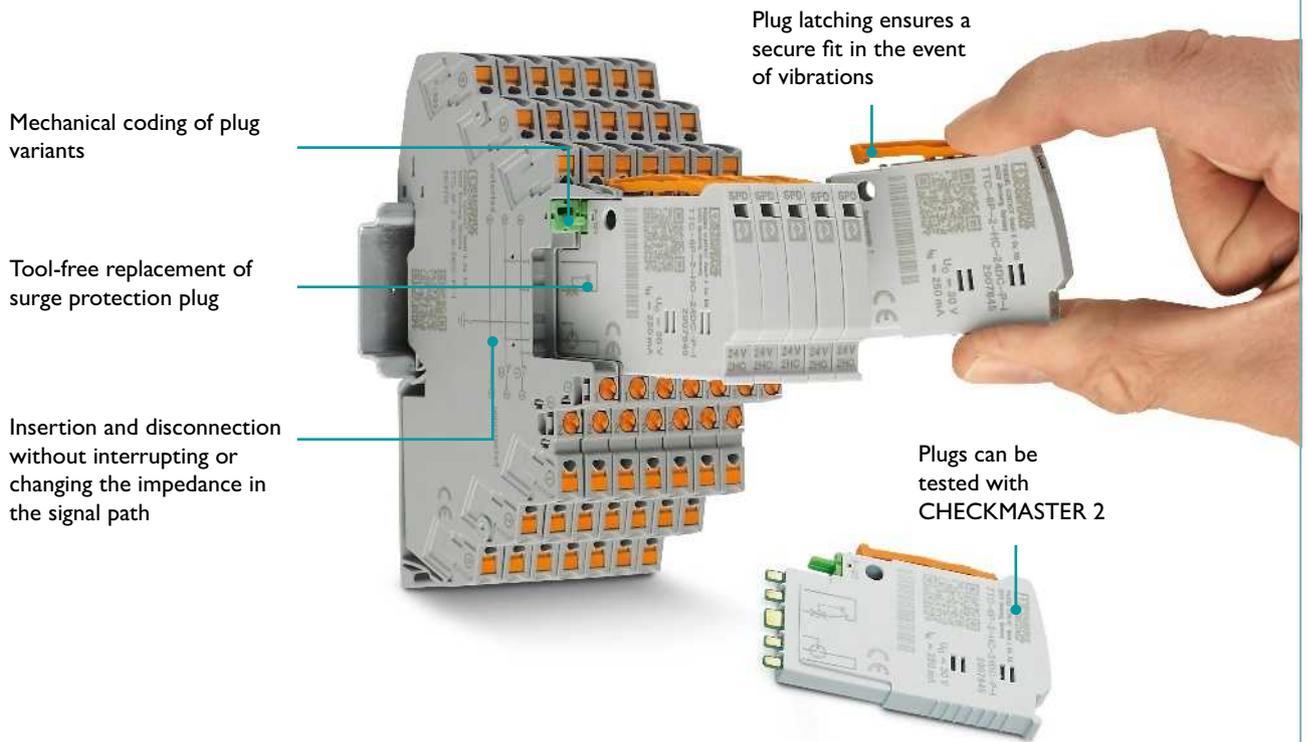
Pluggable versions

Testing and replacement without wiring effort

Pluggable surge protective devices can be replaced during maintenance without having to access the wiring. The measuring signal is not interrupted, which means that errors are not generated in the measurement results. Use CHECKMASTER 2 to test the plugs quickly and easily as part of regular lightning protection tests in accordance with IEC 62305-3. This enables standardized,

simple documentation of test results and predictive device maintenance. If a protective plug has reached the tolerance limit, the affected plug is simply replaced. Mechanical coding prevents accidental mismatching with plugs that have different circuit or voltage variants.

This guarantees safe use of the pluggable surge protection solution.



Documented testing

CHECKMASTER 2 can be used to test pluggable versions for compliance with standards and to document these results. If the device has reached the performance limit, preventive maintenance can be carried out.



Tool-free replacement

When a protection component is overloaded, the device is replaced without accessing the installation and full protection is restored.



Impedance-neutral disconnection

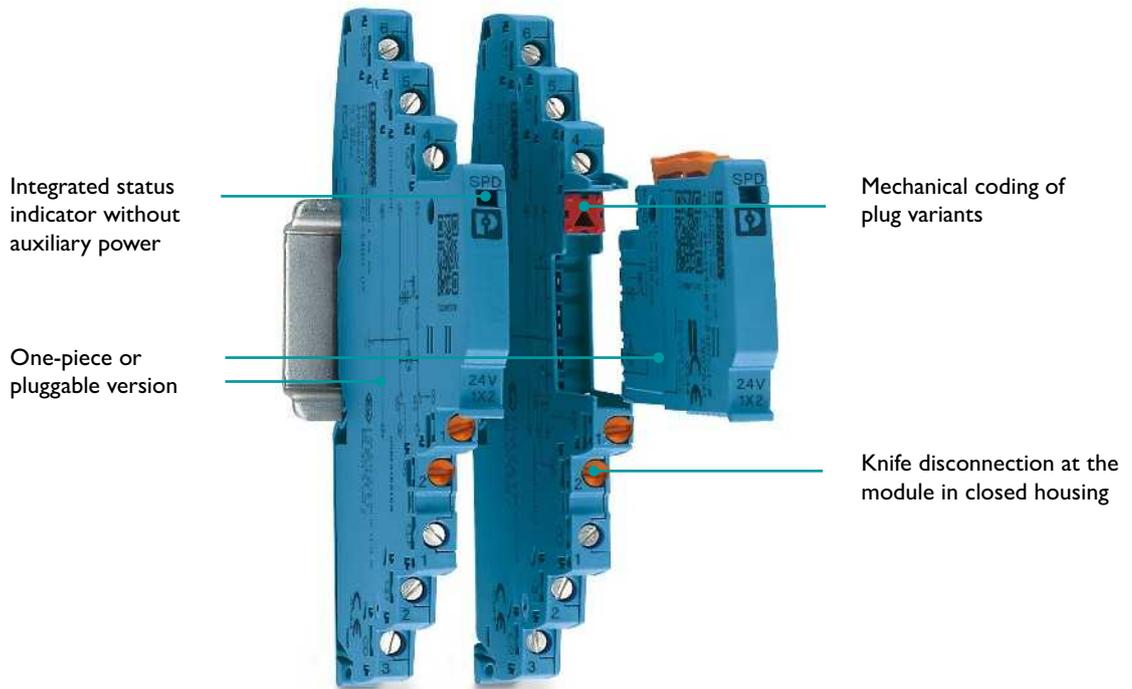
The necessary decoupling resistors are incorporated in the base element. As a result, the loop resistance does not change and the signal remains unchanged when the plug is disconnected.

Ex modules

Protection in potentially explosive areas

TERMITRAB complete also offers the ideal solution for protecting signals in intrinsically safe circuits with Ex i protection. The properties of the intrinsically safe circuit are not affected by the installation of the surge protection module.

It can be installed in Ex zone 1, Ex zone 2 or in a non-Ex area. The connected signals can be forwarded up to Ex zone 0. The products are approved in accordance with ATEX and IECEx and satisfy the requirements of DIN EN and IEC 60079-11.



Wide range of applications

TERMITRAB complete offers surge protection for central installations and use in the field. Even intrinsically safe fieldbuses (FISCO) can be protected.

Approvals for Ex areas

TERMITRAB complete has approvals from ATEX, IECEx, and other organizations. This permits worldwide use in areas where explosion protection must be observed.

The mobile test lab

Everything you need for testing: CHECKMASTER 2

CHECKMASTER 2 is a mobile test lab for all pluggable surge protective devices from Phoenix Contact. You can use the new test holder for TERMITRAB complete to test all pluggable versions from the new product range quickly, safely, and conveniently. Testing satisfies the requirements

of IEC 62305-3. Recurring tests are documented and saved reliably using CHECKMASTER 2. The testing program compares the current electrical parameters of the components with the specified reference values. Components subjected to heavy wear are identified as damaged

and recommended for replacement. This prevents unexpected failures, and you can avoid unnecessary service call-outs.



Identifying the test object

Products can be entered quickly and accurately using the bar codes provided on the surge protective devices.



Three-stage test result

The results of these tests are shown on a color display:

1. OK: Test passed
2. Warning: Tolerance limit reached
3. Defect: Replacement required

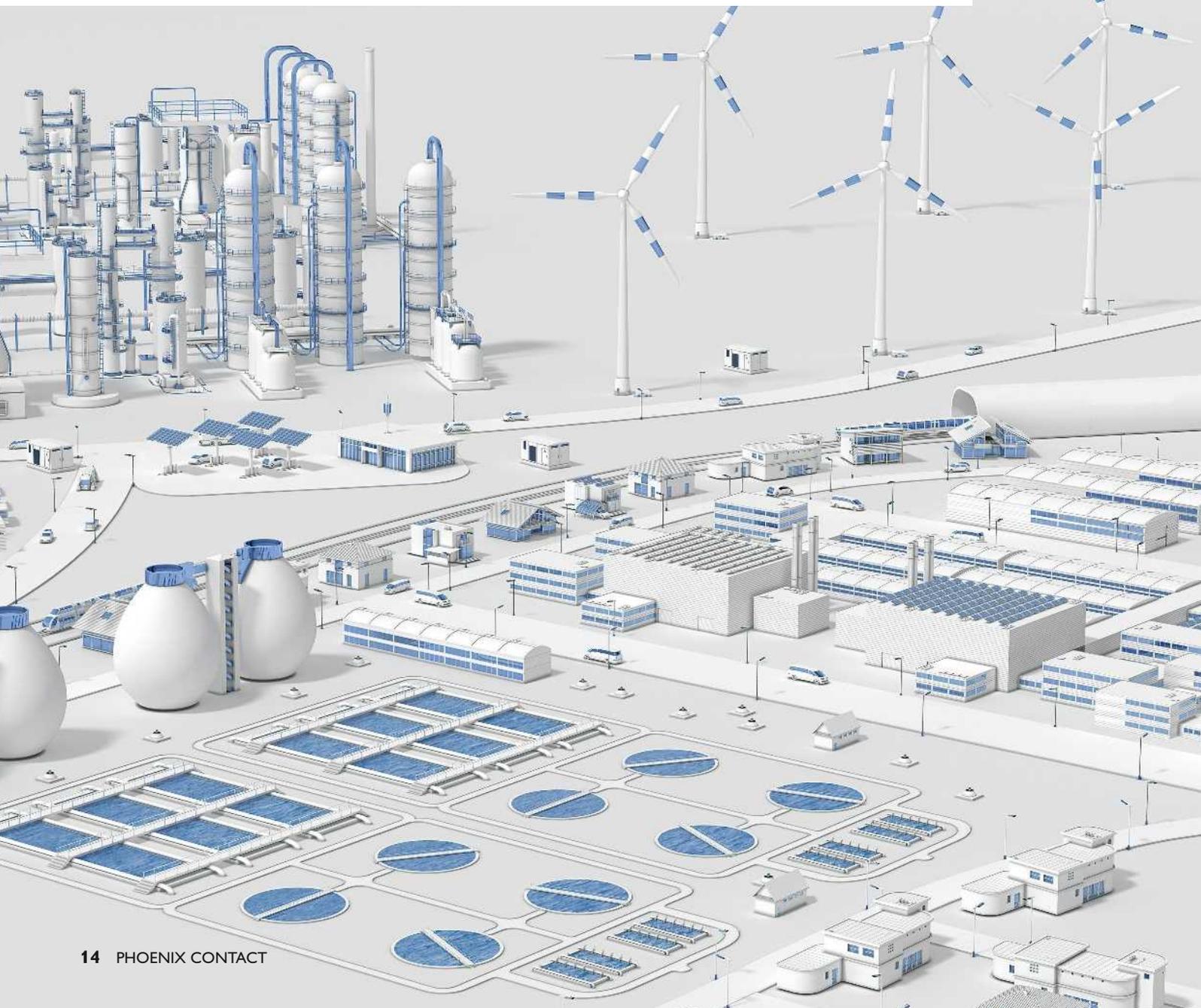


Documentation of tests

The test results can be transferred from the internal buffer to a USB stick. The data can be processed further using standard Office software.

Surge protection for all MCR technology applications

Society and industry expect a high degree of availability in all industries. In this respect, automated processes with modern MCR technology are basic components whose proper function must always be ensured. With individual solutions, state-of-the-art surge protection plays a significant role in meeting this demand.



TERMITRAB complete in operation

Process technology

Transient overvoltages are often indirectly coupled into copper cables, e.g. when lightning strikes in the vicinity. They cause defects in electronic MCR systems in process technology systems. This can lead to system downtime and costly repair work. TERMITRAB complete offers solutions for protecting your system from damage caused by overvoltages. This ensures that your system is in stable condition over the long term. TERMITRAB complete offers extremely space-saving solutions that are ideal for use in large distribution cabinets. TERMITRAB complete also offers a variety of additional functions that make maintenance easier in large process systems.

Integrated disconnect knives enable a controller to be disconnected from a field cable, for example. This allows maintenance work and measurements to be carried out easily. The product range includes products that may be installed in potentially explosive areas up to Ex zone 1.



TERMITRAB complete for process technology

Wind power

Maximum system availability, safe operation, and efficient maintenance are required to optimize the energy yield from wind turbine generators. TERMITRAB complete helps you achieve these goals.

Wind turbine generators are installed in exposed locations. They are often the tallest structures in the area. For this reason, they are hit by many lightning strikes.

The scalability of TERMITRAB complete enables the protection of a wide variety of wind turbine generator sensors. System availability is optimized. This provides optimum protection of systems for blade load monitoring, wind measurement, speed

measurement, and condition monitoring of the machine.

In addition to knife disconnection points, state monitoring with a remote signaling option for surge protective devices can be used to ensure efficient maintenance. Even the harsh ambient conditions in which a wind turbine generator operates cannot impede optimal protection. TERMITRAB complete can be installed quickly and easily, thanks to its extremely narrow overall width and Push-in technology.



TERMITRAB complete for wind turbine generators

Water and wastewater treatment

High system availability and a comprehensive maintenance concept are crucial for state-of-the-art system operation in water and wastewater treatment.

To ensure this level of system availability, TERMITRAB complete provides protection against overvoltages. TERMITRAB complete also boasts a variety of additional functions. The surge protection state can be continuously detected in a central control center using remote signaling modules. This ensures that less work is required in the maintenance of outdoor structures such as groundwater wells or wastewater pumping stations. In addition, integrated knife disconnection simplifies the

maintenance and diagnostics for connected field devices. Even harsh ambient conditions are no challenge for TERMITRAB complete. TERMITRAB complete is the ideal solution for the cost-effective protection of different interfaces in water and wastewater treatment.

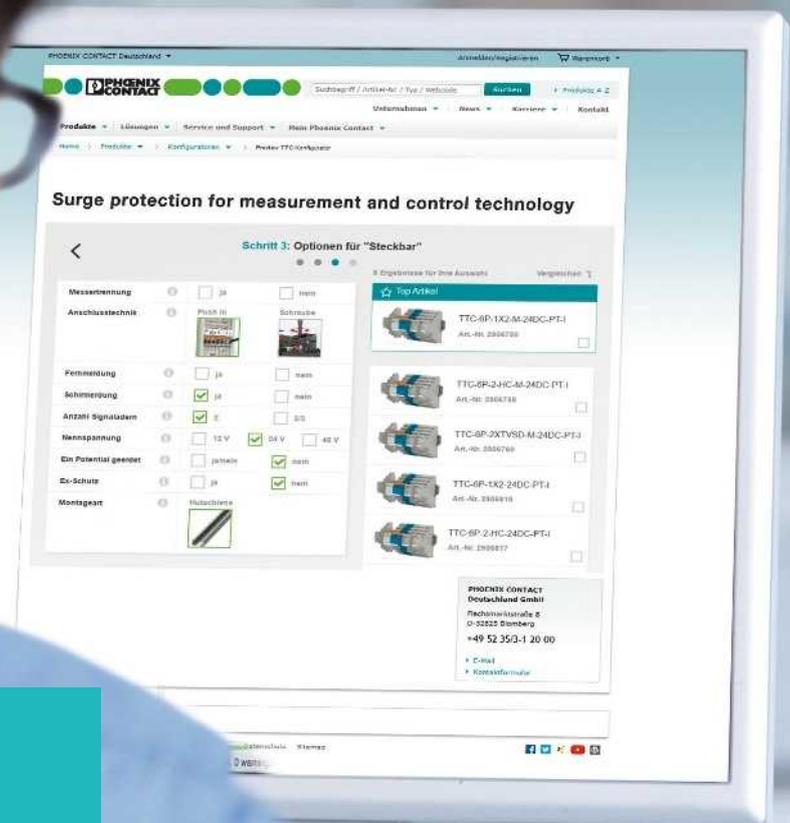


TERMITRAB complete for water and wastewater treatment

Easy selection

Thanks to the wide variety of versions, TERMITRAB complete offers a solution for all applications.

The online configurator enables straightforward selection of the product in just a few steps. Select the signal type and desired design to receive a suitable suggestion. You can then add further product features if you wish.



Online configurator

Simplify planning with the online configurator. Using this tool, you can quickly find the right surge protection solution for the most common MCR technology applications. Images are used to illustrate useful product features, which can be added as an option.

 Web code: #1389

Surge protection for MCR technology

The right product is just two clicks away

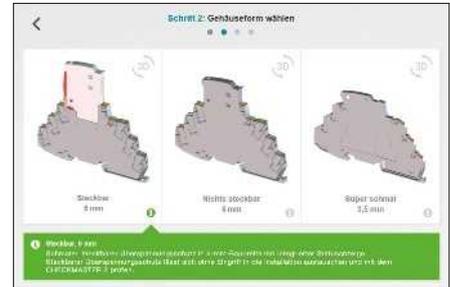
TERMITRAB complete offers over 100 products with different circuit and voltage variants. Various connection technologies and product features complete the portfolio. This variety provides a solution for virtually all applications in MCR technology.

The new configuration tool assists you in keeping track of everything. In just two clicks, you can navigate to a selection of products that offer optimum protection for your application. First, select the application or interface that you want to protect. Then, select the desired design. You then also have the option to define additional features on the selection page.

If a suitable TERMITRAB complete product is not available for your application, use the advanced search to find more products.



Step 1:
Selecting the application or interface



Step 2:
Selecting the design

For further information on the online configurator, simply enter the web code in the search field on our website.

i Web code: #1389

What the order designation reveals

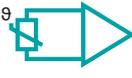
The structure of the order designation indicates the respective product version. This enables you to quickly and easily identify products that are in stock.

The housing width, protective circuit, and nominal voltage can be determined at a glance. Other properties such as knife disconnection, versions for Ex areas, and ground connection are indicated by corresponding letters.

For product versions with a single-stage protective circuit, the included components are specified in the order designation.

Product designation key		
TTC-6P-1X2-F-M-24DC-PT-I	Example	Further options
Indicator/status indicator	Indicator/status indicator	Without indicator/status indicator
Connection	Push-in	Universal terminal (screw)
Nominal voltage	24 V DC	12 V DC / 48 V DC
Properties	Knife disconnection	Ex applications
Grounding	Floating	Directly grounded
Protective circuit	1X2 One pair (isolated)	2X1 / 3 / 3-HF / 2 / 2-HC
Pluggable	Pluggable	One-piece
Housing width	6 mm	3.5 mm
Product range	TERMITRAB complete	

Product overview and accessories

Protection for two conductors					
					
		Floating		Direct grounding	
	Push-in connection	TTC-6P-2X1-F-12DC-PT-I TTC-6P-2X1-F-M-24DC-PT-I TTC-6P-2X1-F-24DC-PT-I TTC-6-2X1-F-M-24DC-PT-I TTC-6P-2X1-F-48DC-PT-I	Order No. 2908206 Order No. 2906794 Order No. 1065320 Order No. 2906776 Order No. 2908209	TTC-6P-2X1-12DC-PT-I TTC-6P-2X1-M-24DC-PT-I TTC-6P-2X1-24DC-PT-I TTC-6-2X1-24DC-PT TTC-6-2X1-M-24DC-PT-I TTC-3-2x1-24DC-PT TTC-6P-2X1-48DC-PT-I	Order No. 2908202 Order No. 2906753 Order No. 2906816 Order No. 2906805 Order No. 2906729 Order No. 2907326 Order No. 2908204
	Screw connection	TTC-6P-2X1-F-12DC-U ₇ -I TTC-6P-2X1-F-M-24DC-U ₇ -I TTC-6P-2X1-F-24DC-U ₇ -I TTC-6-2X1-F-M-24DC-U ₇ -I TTC-6P-2X1-F-48DC-U ₇ -I	Order No. 2908205 Order No. 2906784 Order No. 1065319 Order No. 2906767 Order No. 2908208	TTC-6P-2X1-12DC-U ₇ -I TTC-6P-2X1-M-24DC-U ₇ -I TTC-6P-2X1-24DC-U ₇ -I TTC-6-2X1-24DC-U ₇ TTC-6-2X1-M-24DC-U ₇ -I TTC-6P-2X1-48DC-U ₇ -I	Order No. 2908201 Order No. 2906741 Order No. 2906810 Order No. 2906799 Order No. 2906716 Order No. 2908203
Protection for current loops					
	Push-in connection	TTC-6P-1X2-F-12DC-PT-I TTC-6P-1X2-F-M-24DC-PT-I TTC-6P-1X2-F-24DC-PT-I TTC-6-1X2-F-M-24DC-PT-I TTC-6P-1X2-F-48DC-PT-I	Order No. 2908198 Order No. 2906790 Order No. 1065318 Order No. 2906772 Order No. 2908200	TTC-6P-1X2-12DC-PT-I TTC-6P-1X2-M-24DC-PT-I TTC-6P-1X2-24DC-PT-I TTC-6-1X2-M-24DC-PT-I TTC-6-1X2-24DC-PT TTC-3-1x2-24DC-PT TTC-6P-1X2-48DC-PT-I	Order No. 2908193 Order No. 2906750 Order No. 2906815 Order No. 2906726 Order No. 2906804 Order No. 2907325 Order No. 2908195
	Screw connection	TTC-6P-1X2-F-12DC-U ₇ -I TTC-6P-1X2-F-M-24DC-U ₇ -I TTC-6P-1X2-F-24DC-U ₇ -I TTC-6-1X2-F-M-24DC-U ₇ -I TTC-6P-1X2-F-48DC-U ₇ -I	Order No. 2908196 Order No. 2906781 Order No. 1065317 Order No. 2906764 Order No. 2908199	TTC-6P-1X2-12DC-U ₇ -I TTC-6P-1X2-M-24DC-U ₇ -I TTC-6P-1X2-24DC-U ₇ -I TTC-6-1X2-M-24DC-U ₇ -I TTC-6-1X2-24DC-U ₇ TTC-6P-1X2-48DC-U ₇ -I	Order No. 2908192 Order No. 2906738 Order No. 2906809 Order No. 2906713 Order No. 2906798 Order No. 2908194
Protection for fieldbuses					
	Push-in connection	TTC-6P-3-HF-F-M-12DC-U ₇ -I TTC-6-3-HF-F-M-12DC-U ₇ -I TTC-6P-3-HF-F-M-24DC-U ₇ -I TTC-6-3-HF-F-M-24DC-U ₇ -I	Order No. 2906786 Order No. 2906769 Order No. 2906787 Order No. 2906770	TTC-6P-3-HF-M-12DC-U ₇ -I TTC-6-3-HF-M-12DC-U ₇ -I	Order No. 2906744 Order No. 2906721
	Screw connection	TTC-6P-3-HF-F-M-12DC-PT-I TTC-6P-3-HF-F-12DC-PT-I TTC-6-3-HF-F-M-12DC-PT-I TTC-6P-3-HF-F-M-24DC-PT-I TTC-6-3-HFF-M-24DC-PT-I	Order No. 2906796 Order No. 1065314 Order No. 2906778 Order No. 2906797 Order No. 2906779	TTC-6P-3-HF-M-12DC-PT-I TTC-6P-3-HF-12DC-PT-I TTC-6-3-HF-M-12DC-PT-I TTC-6-3-HF-12DC-PT	Order No. 2906756 Order No. 1065313 Order No. 2906732 Order No. 1065316
Resistance-dependent measurements					
	Push-in connection			TTC-6P-3-5DC-PT-I TTC-6P-3-24DC-PT-I TTC-6P-2-HC-M-24DC-PT-I TTC-6P-2-HC-24DC-PT-I TTC-6-2-HC-M-24DC-PT-I TTC-6-2-24DC-PT TTC-6-2HC-24DC-PT-I	Order No. 1061385 Order No. 1061383 Order No. 2906755 Order No. 2906817 Order No. 2906731 Order No. 2906806 Order No. 2908439
	Screw connection			TTC-6P-2-HC-M-24DC-U ₇ -I TTC-6P-2-HC-24DC-U ₇ -I TTC-6-2-HC-M-24DC-U ₇ -I TTC-6-2-24DC-U ₇ TTC-6-2-HC-24DC-U ₇ -I	Order No. 2906743 Order No. 2906811 Order No. 2906719 Order No. 2906800 Order No. 2908438

Remote signaling sets and accessories

One set monitors up to 40 TTC 6 mm protective devices			
	Push-in connection	Screw connection	Fuse carrier for 5 x 20 mm miniature fuses
Designation	TTC-6-FMRS-PT	TTC-6-FMRS-U _T	TTC-6-FC-U _T
Order No.	2907811	2907810	1054762

Type 3 surge protection for I/Os and controllers

		
	Push-in connection	Screw connection
Designation	TTC-6P-T3-24DC-PT-I	TTC-6P-T3-24DC-U _T -I
Order No.	1027586	1027584

Did you know...

that TERMITRAB complete doesn't just protect MCR signals?

Power supplies or controllers are installed in many control cabinets used for measurement and control technology. You can protect these devices using a TERMITRAB complete type 3 solution. The TTC-6P-T3... has the same housing as the MCR protective devices.

This means that device protection can also be integrated into a monitoring concept.

As part of the TERMITRAB complete product range, the protective devices for the power supply are available with Push-in or screw connection technology.

The surge protective devices have a modular design consisting of a base element and protective plug, making the TTC-6P-T3... a very maintenance-friendly solution.

If the surge protection is overloaded, the protective plug is simply replaced – without having to access the installation.

Thanks to the pluggability of the TTC-6P-T3..., testing is a breeze.



The fully automated test with CHECKMASTER 2 checks the protective plug and outputs the corresponding result:

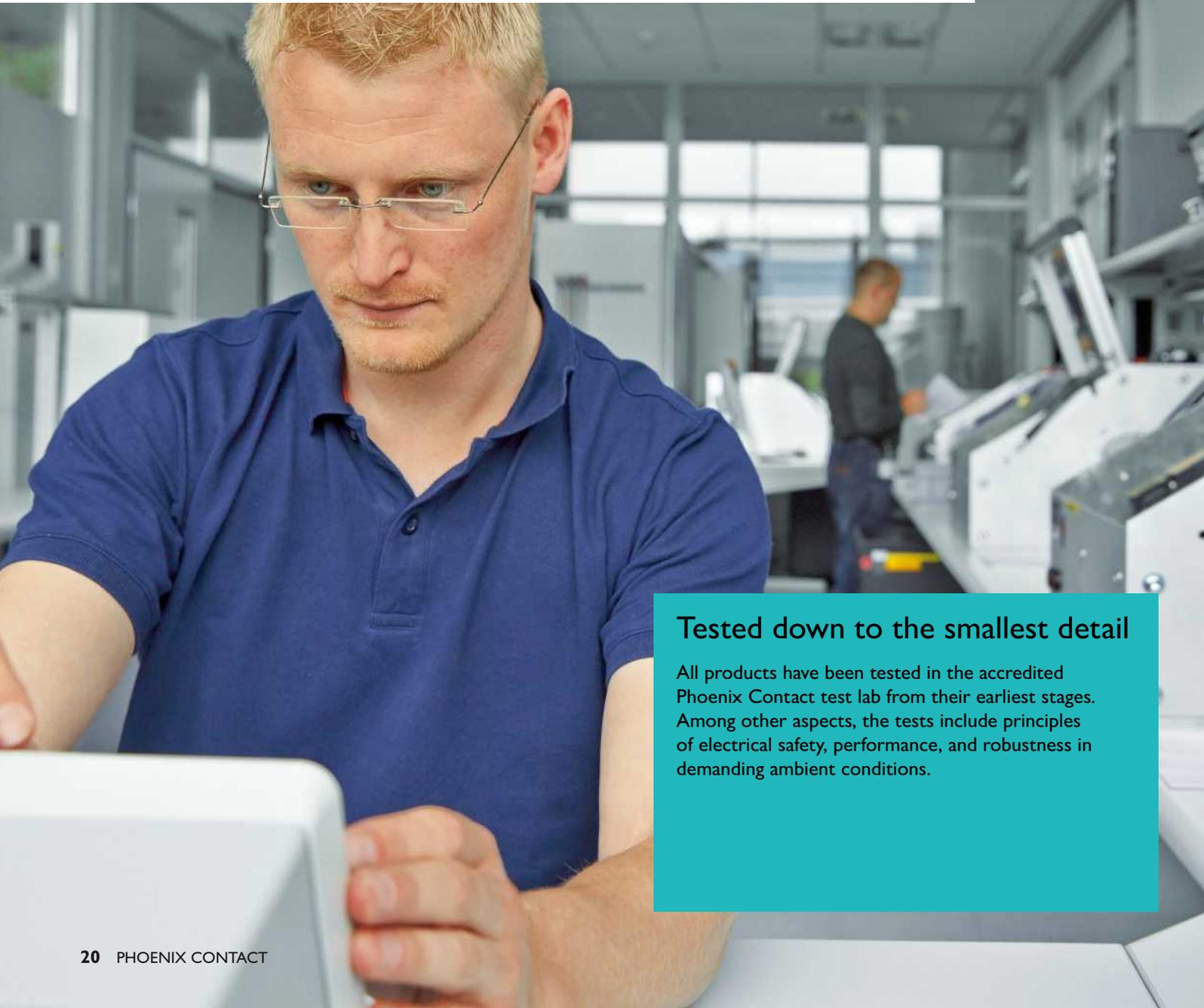
- Protective device OK
- Tolerance limit reached, replacement recommended
- Defect, replacement required

TERMITRAB complete is the best choice for protecting your MCR applications. This applies to signals and controllers in equal measure.

Surge protection with quality

Starting in the product development stage, Phoenix Contact prioritizes the quality and performance of its products. The 1300 m² in-house test lab specializes in testing surge protective devices.

The modern testing options for TERMITRAB complete enable comprehensive, standardized test conditions and simulation of demanding ambient conditions.



Tested down to the smallest detail

All products have been tested in the accredited Phoenix Contact test lab from their earliest stages. Among other aspects, the tests include principles of electrical safety, performance, and robustness in demanding ambient conditions.

Tests



Surge current tests

The Phoenix Contact surge current testing system generates lightning currents and overvoltage pulses. This system uses the highest surge current pulses to test protective devices.



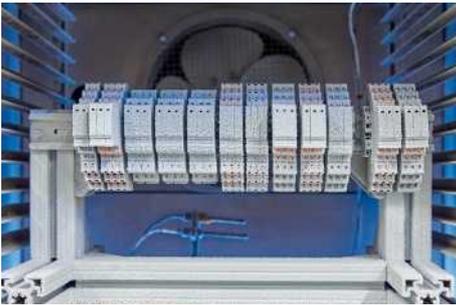
Installation and operation tests

Mechanically stressed parts such as connection terminal blocks, knife disconnection, and protective plugs must pass stringent test cycles in the development phase.



Vibration test

Despite continuous vibrations, the protective device continues to operate safely. Even the remote signaling system is tested and certified using shock and vibration loads of up to 30g.



Temperature test

TERMITRAB complete was developed for ambient temperatures from -40°C to $+85^{\circ}\text{C}$ and is ideal for worldwide use.



Salt spray test/corrosive gas test

The protective devices are tested in saline and corrosive gas environments to demonstrate their suitability for maritime and petrochemical applications.



Material quality

Various material tests such as UV radiation, fire-resistance, and mechanical strength tests simulate different installation and operating conditions.

Accredited in accordance with DIN EN ISO/IEC 17025

The high current test lab is accredited based on DIN EN ISO/IEC 17025.

This standard describes the "General requirements for the competence of testing and calibration laboratories". The Deutsche Akkreditierungsstelle (German accreditation body) has verified and confirmed that the requirements of ISO 17025 have been implemented and met.

The accreditation certifies:

- Specialist and technical competence
- Effective management system for quality assurance
- Independence and impartiality regarding third parties

Test reports from accredited testing laboratories are widely accepted internationally.

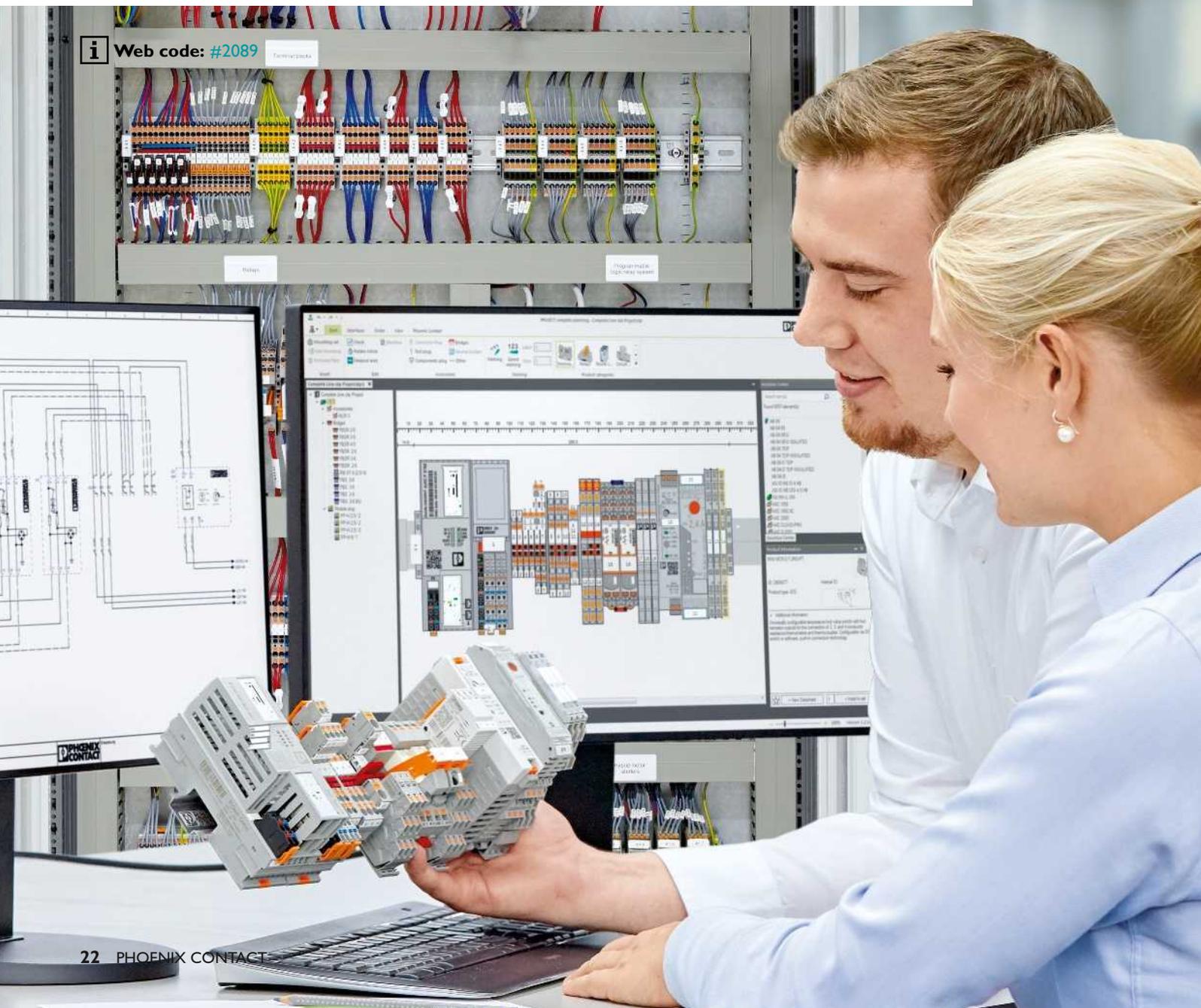


Accreditation certificate from DAKKS



COMPLETE line – The comprehensive solution for the control cabinet

COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.



Your advantages in detail:



Comprehensive product portfolio

With COMPLETE line, we offer a complete product portfolio of technologically leading products. This includes:

- Controllers and I/O modules
- Power supplies and device circuit breakers
- Terminal blocks and distribution blocks
- Relay modules and motor starters
- Signal conditioners
- Safety technology
- Surge protection
- Heavy-duty connectors



Intuitive handling

Thanks to the simple, intuitive handling of the coordinated hardware components, you will save time during installation, startup, and maintenance. Push-in connection technology enables you to wire applications quickly – without using tools. The broad, technologically leading product portfolio will always provide you with the right product for standard or special applications.



Time savings across the entire engineering process

The PROJECT complete planning and marking software supports the entire process of control cabinet manufacturing. The program features an intuitive user interface that enables the individual planning, automatic checking, and direct ordering of terminal strips.



Reduced logistics costs

Reduced variety of parts, thanks to standardized marking, bridging, and testing accessories. The COMPLETE line system coordinates products, design, and accessories so that you benefit from maximum reusability and thus reduce your logistics costs.



Optimized processes in control cabinet manufacturing

COMPLETE line supports you, from engineering through to manufacturing, in designing your control cabinet production as efficient as possible. Thus, your customized concept for optimizing your processes in control cabinet manufacturing is created. Our terminal strip production helps you to flexibly manage order peaks or to supply your control cabinet production with fully assembled DIN rails just in time.



The new standard for the control cabinet

Discover the extensive COMPLETE line product portfolio and find out more about COMPLETE line and your comprehensive solutions for the control cabinet.

Visit our website:
phoenixcontact.com/completeline

