FAME plug-in test system and ME test disconnect terminal blocks

CLIPLINE complete

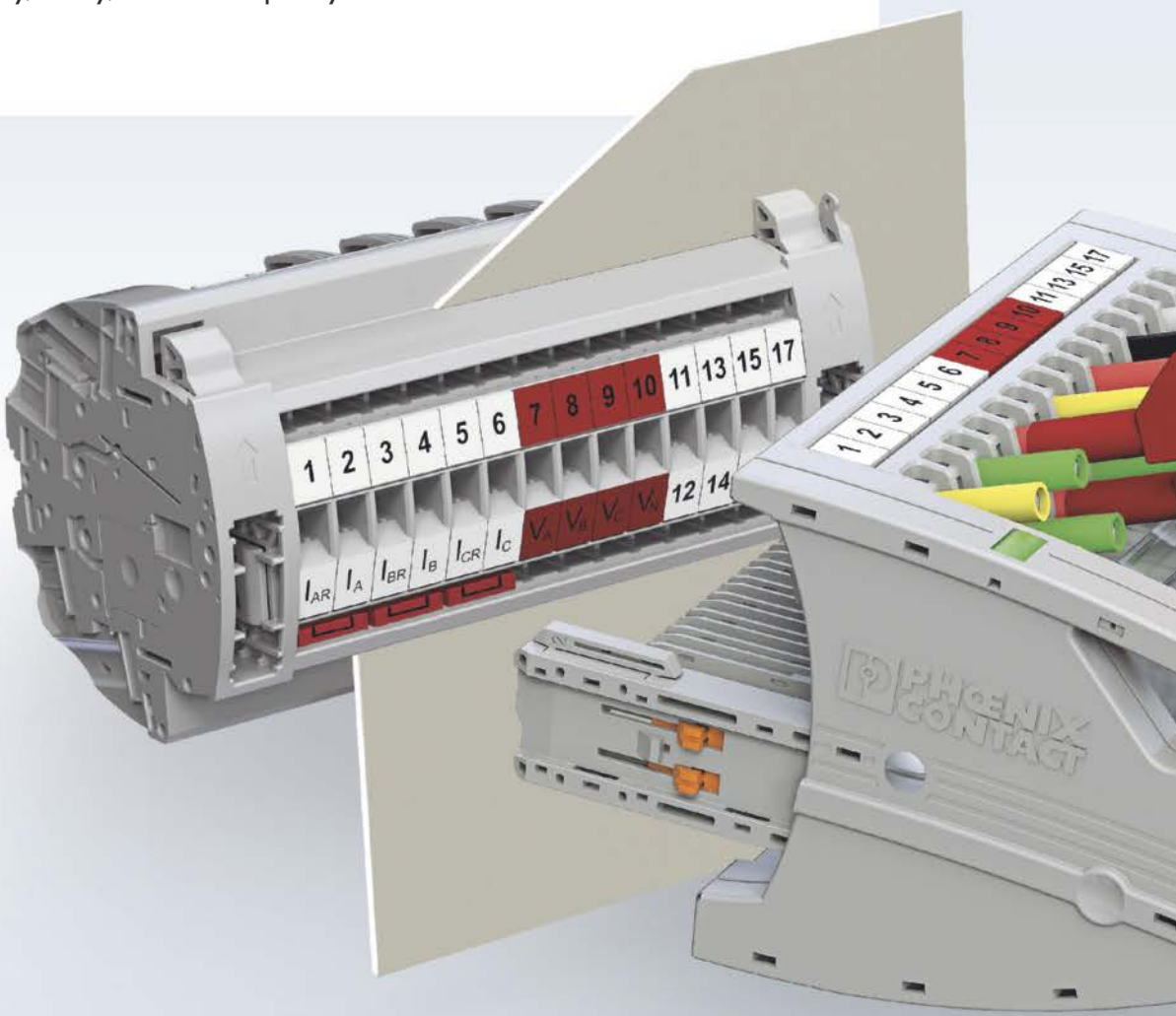
PHOENIX CONTACT
INSPIRING INNOVATIONS

The modular system kit for energy technology

Phoenix Contact has provided the power supply sector with test disconnect terminal blocks for all current transformer and voltage transducer applications for many decades. In addition to the standard terminal blocks, the test disconnect terminal blocks from the CLIPLINE complete system are an integral part of the Phoenix Contact product portfolio.

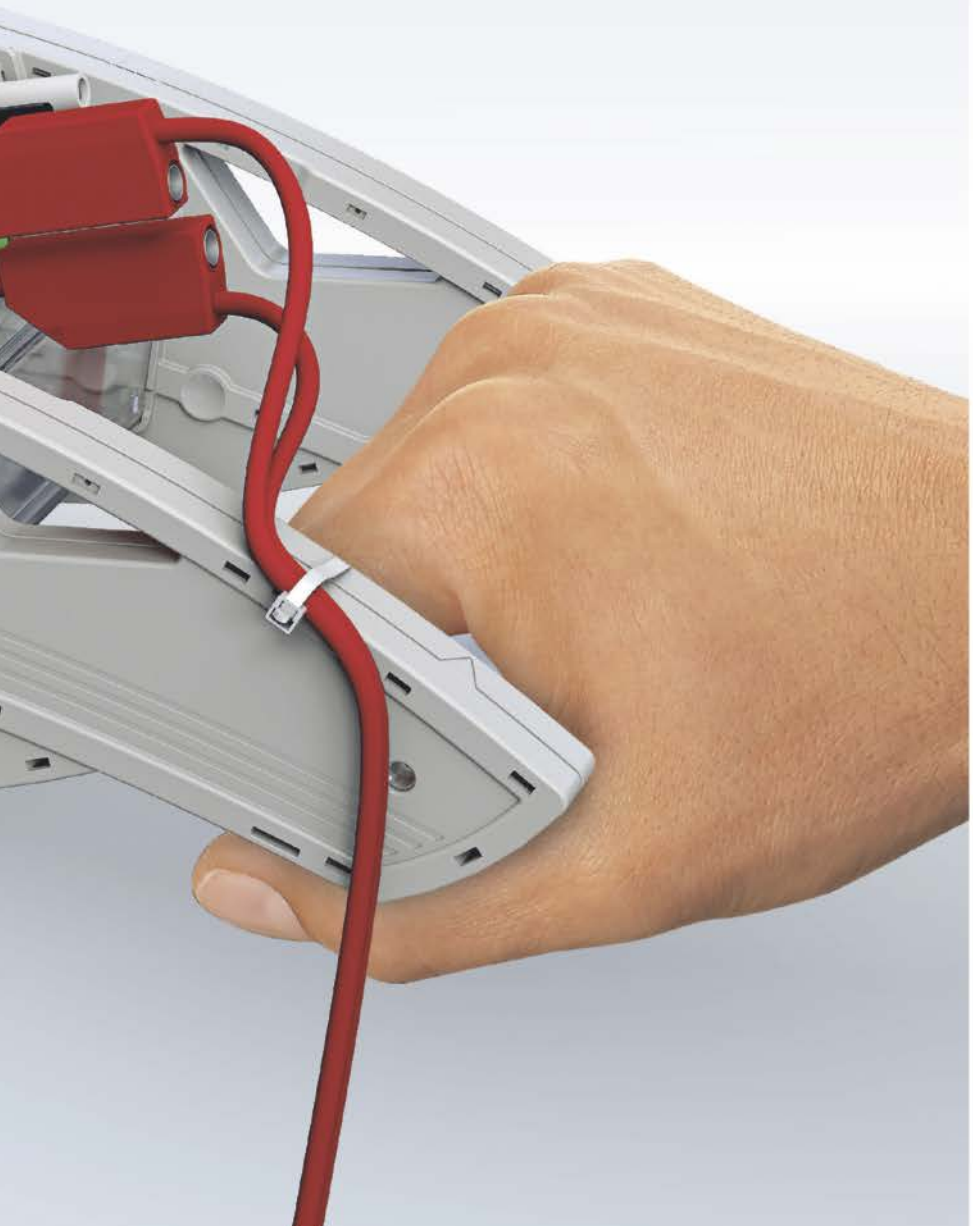
The FAME plug-in test system represents the further development of the switchable terminal blocks. With the modular system, you can now perform manual testing operations automatically, safely, and more quickly.

Web code: #1094



One accessory for all systems

The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution depend on the application. All switching states are clearly identifiable. Regardless of the testing system you select, all of them utilize the standardized accessories of the CLIPLINE complete system and reduce your installation and storage costs.



Contents

The modular system kit for energy technology CLIPLINE complete

From the well-known test disconnect terminal block through to the new FAME plug-in test system, Phoenix Contact provides the ideal solution for each of your applications. The uniform system accessories can be used individually. The open choice of connection technology and installation type make the CLIPLINE complete system the functional system kit for energy technology.

Consistent wiring concept

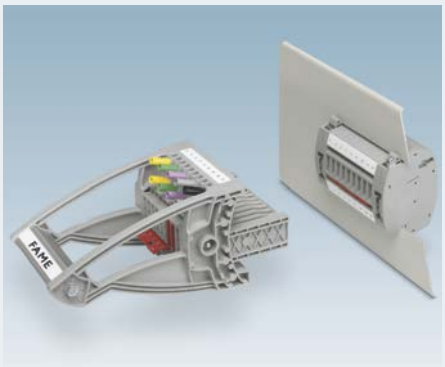
For your energy switchgears, Phoenix Contact offers a consistent and innovative wiring concept. From the plug with automatic short circuit function for protective devices, to compact marshalling terminals with plug-in patch bay, through to COMBI terminals for plug-in potential distribution.

For more information on this, visit the terminal block product area on our website.

Web code: #1094

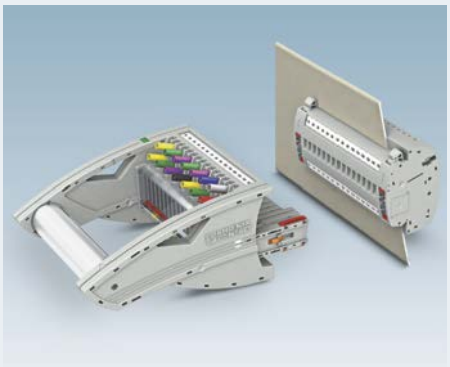
FAME – Fast and modular energy system

You have to regularly check more and more operational and mains protection systems. This is time-consuming and expensive.
Now the FAME plug-in test system is available to help you with this additional testing without any extra cost or time. The system groups together complex switching operations in the test block automatically. If required, the test block is moved into the door of the control cabinet. For you, this means the highest level of availability with maximum safety.



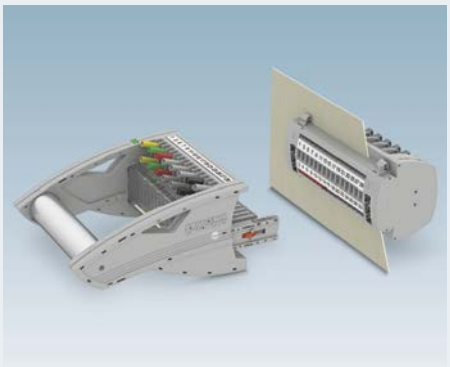
FAME 1 – plug-in test system

The system consists of a plug-in test socket, test plug, and operating plug. Testing with automatic leading short circuit as a parallel forced switching sequence, separated into blocks. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket.



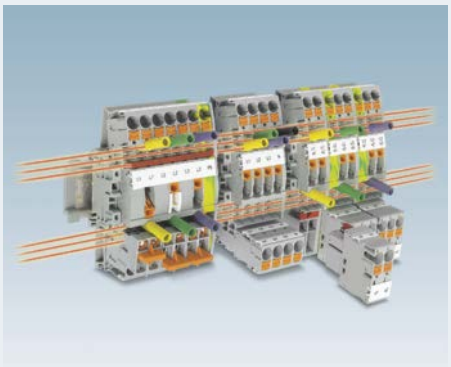
FAME 2 – plug-in test system

The system consists of a plug-in test socket and a test plug. Testing is concentrated in only one block using an automatic leading short circuit as a programmable forced switching sequence.



FAME 3 – plug-in test system

The system consists of a plug-in test socket and a test plug. Testing with automatic leading short circuit as a parallel forced switching sequence, separated into blocks. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket.

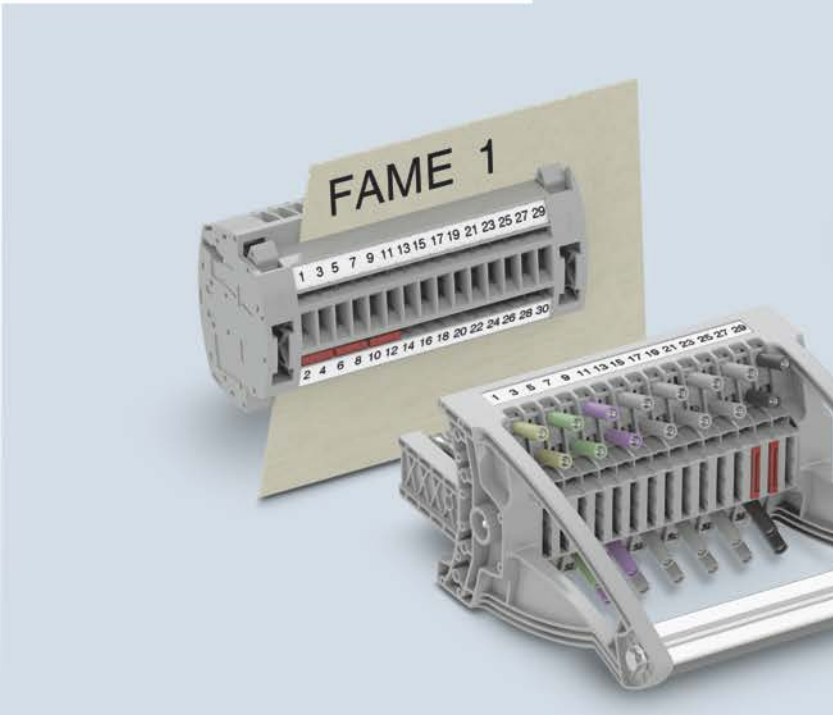


ME test disconnect terminal blocks

The system consists of alignable single terminal blocks, which can be individually aligned according to your application. The short circuit is triggered manually using bridge bars and plug-in bridges or an automatically short circuiting plug. Testing is carried out as a serial switching sequence.

FAME
The innovative plug-in test system
System properties at a glance

FAME is the innovative, modular plug-in test system for all measuring and testing tasks in network protection technology for medium and high-voltage switchgears. With the modular system, you can now perform manual testing operations automatically, safely, and more quickly. Suitable for every application, the modular system can be directly integrated into the control cabinet panel or used as a DIN rail version.



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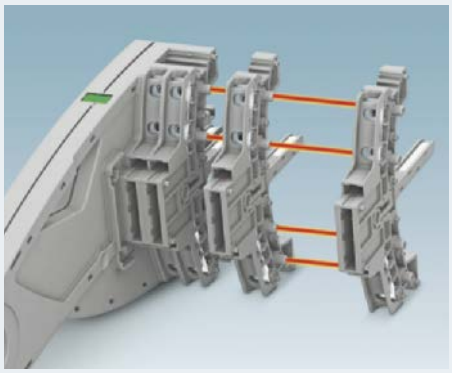
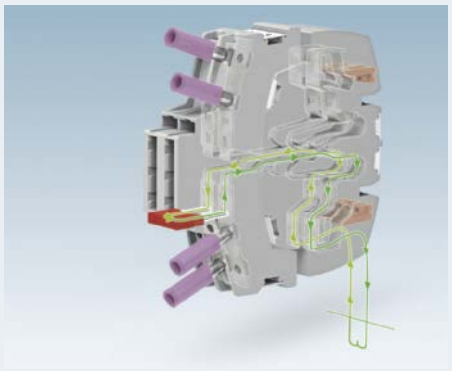


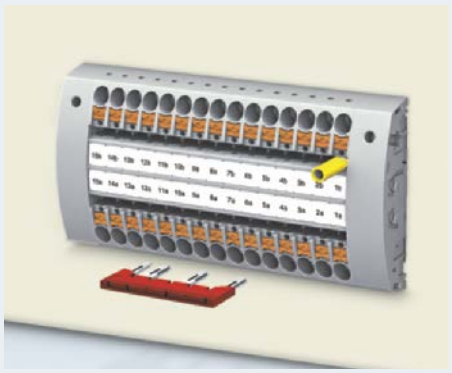
Modular design

The system's compact and modular design provides the right number of positions for every application, both for the test plugs and the plug-in test sockets.



Automatic leading transformer short circuit

The leading, automatically generated transformer short circuit offers the highest degree of safety during testing.

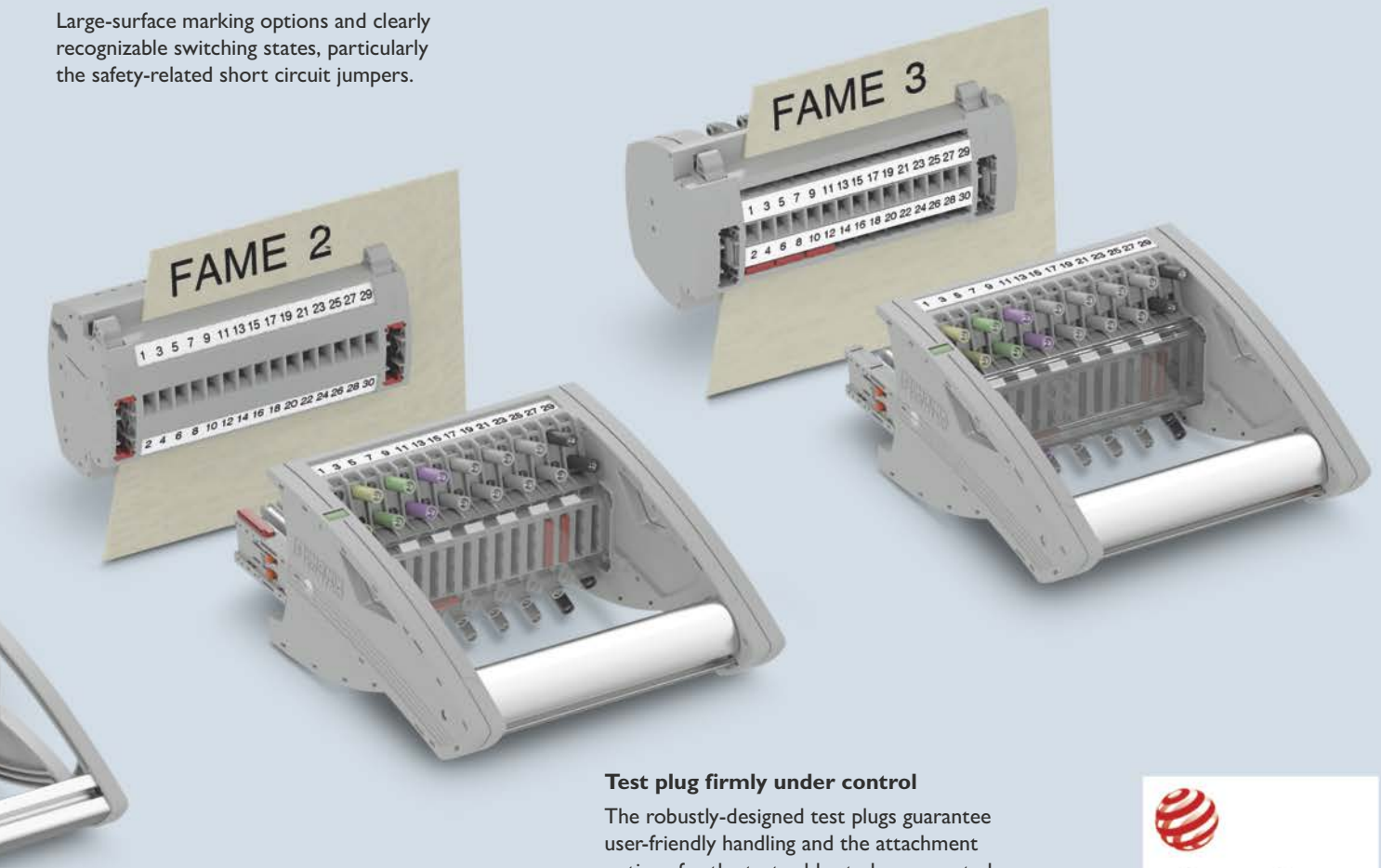


Simple star-point bridging

In addition to the two marking grooves, the plug-in test sockets for wall mounting also offer two function shafts inside the control cabinet for forming and grounding the star point. The DIN rail version even has six function shafts.

Safety in mind

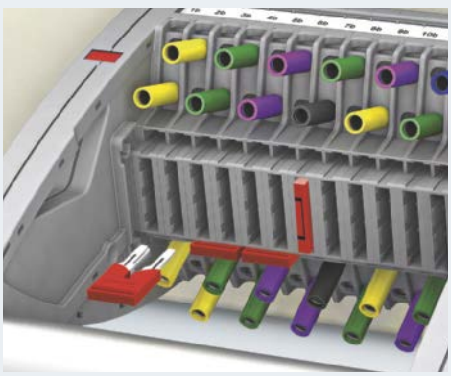
Large-surface marking options and clearly recognizable switching states, particularly the safety-related short circuit jumpers.



Test plug firmly under control

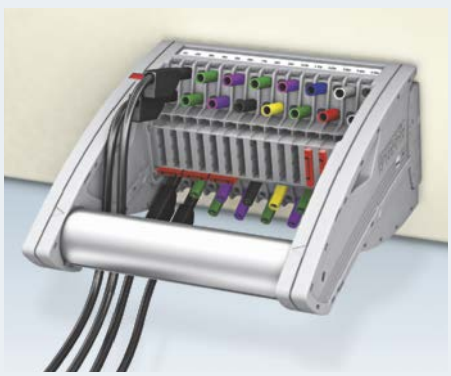
The robustly-designed test plugs guarantee user-friendly handling and the attachment options for the test cables to be connected are integrated.

reddot award 2014
winner industrial design



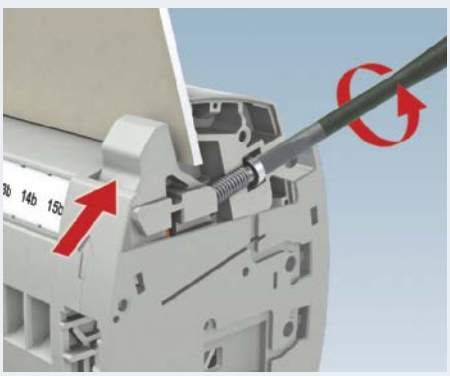
Flexible application

Thanks to the optional use of plug-in bridges, all test circuits can be implemented in the plug. Horizontally aligned as leading short circuit jumper - vertically aligned as through connection in the connector.



Maximum flexibility when testing

The offset test socket arrangement enables the use of CAT III and CAT IV/1000 V safety test leads in accordance with EN 61010-031 in a confined space.



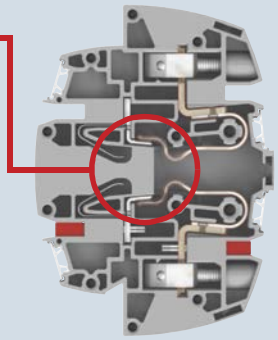
Easy mounting

The patented wall fastening is easy to use and has a robust design. The eccentric tappet function compensates for tolerances up to 4 mm in the sheet metal cutout.

FAME 1 – plug-in test system with operating plug, with transformer short circuit (plug-in test socket)

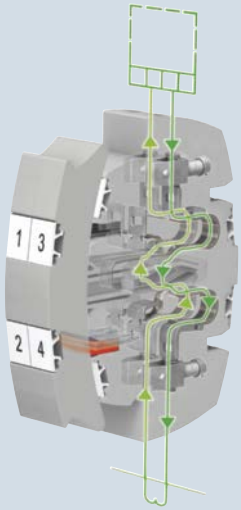
N/O function

Due to the FAME 1 system's N/O function, operating plugs are required for normal operation.



Normal operation

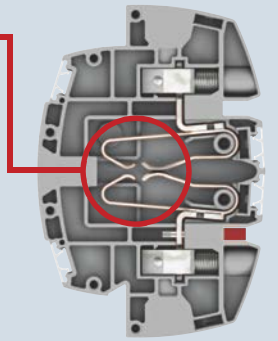
When the operating plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.



FAME 2 – plug-in test system without operating plug, with transformer short circuit (test plug)

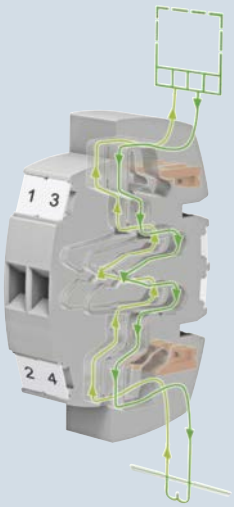
N/C function

Due to the FAME 2 system's N/C contact function, additional operating plugs are not required for normal operation.



Normal operation

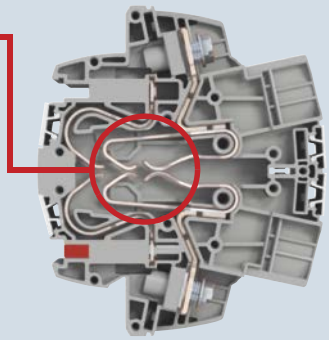
Additional operating plugs are not required for normal operation; the measuring transducer operates safely and reliably. If desired, a blind plug can cover the plug-in zone to prevent unauthorized access.



FAME 3 – plug-in test system with operating plug, with transformer short circuit (plug-in test socket)

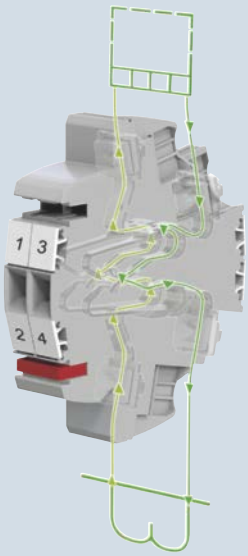
N/C function

The switch contact of the FAME 3 system in the plug-in test socket is an N/C contact. In normal operation, the contact is closed.



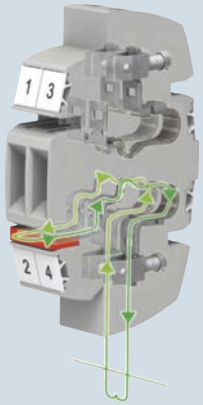
Normal operation

The N/C contact function enables normal operation without an additional operating plug. If desired, the plug-in zone can be covered and sealed with a blind plug to prevent unauthorized access.



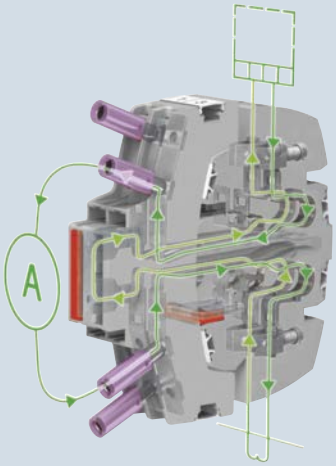
Transformer short circuit

If the plug is removed, the integrated switch contact automatically establishes a leading short circuit via the plug-in bridge used. Connected measuring transducers are safely protected against damage.



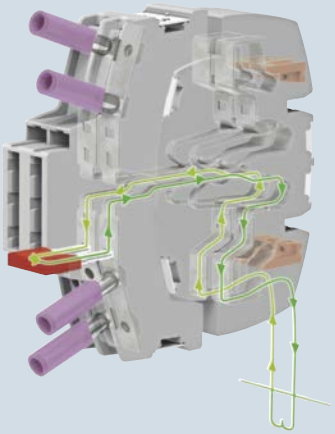
Test operation

When inserting the test plug, the ammeter connected to the test plug is first of all looped into the circuit. Then the transformer short circuit is automatically overridden.



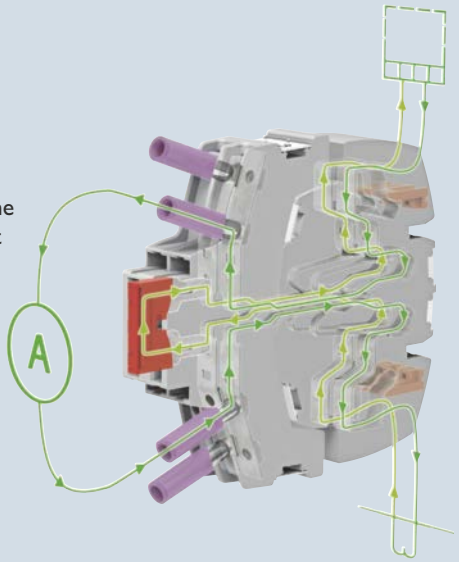
Transformer short circuit

When replacing the protective device or in the case of a relay test, the current transformer can be short circuited upstream of the signal splitting by inserting a plug-in bridge in the test plug crossways. This happens automatically when the test plug is inserted.



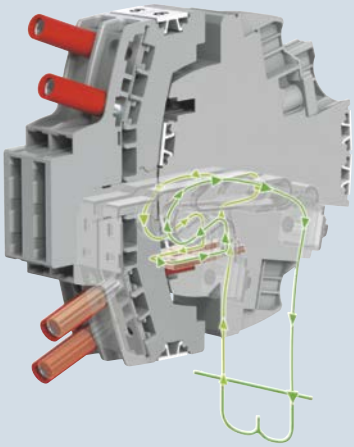
Test operation

With the bridge simply inserted lengthways in the test plug, test equipment can be easily looped into the current path via the 4 mm test sockets.



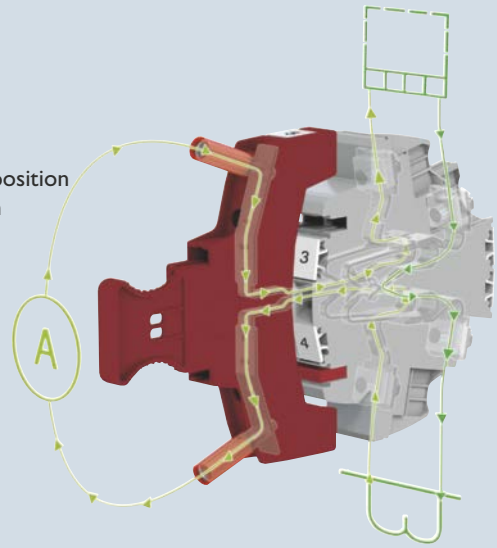
Transformer short circuit

When replacing the protective device or in the case of a relay test, the current transformer can be short circuited upstream of the signal splitting by inserting a plug-in bridge in the plug-in test socket crossways. This happens automatically when the test plug is inserted.



Test operation

If you use the single-position service plug, you can simply loop the test equipment into the current path via the 4 mm test sockets.



FAME
Easy and safe to use, high-performance for testing tasks

Safe in every situation

Decades of experience in the construction and development of terminal blocks and test disconnect terminal blocks have gone into the development of the FAME plug-in test system. The terminal blocks conform to the terminal standard and established directives from VDE, FNN, UL and CSA. Constant testing in production ensures that the high quality standards of Phoenix Contact are maintained.

J u C

Secure contacting

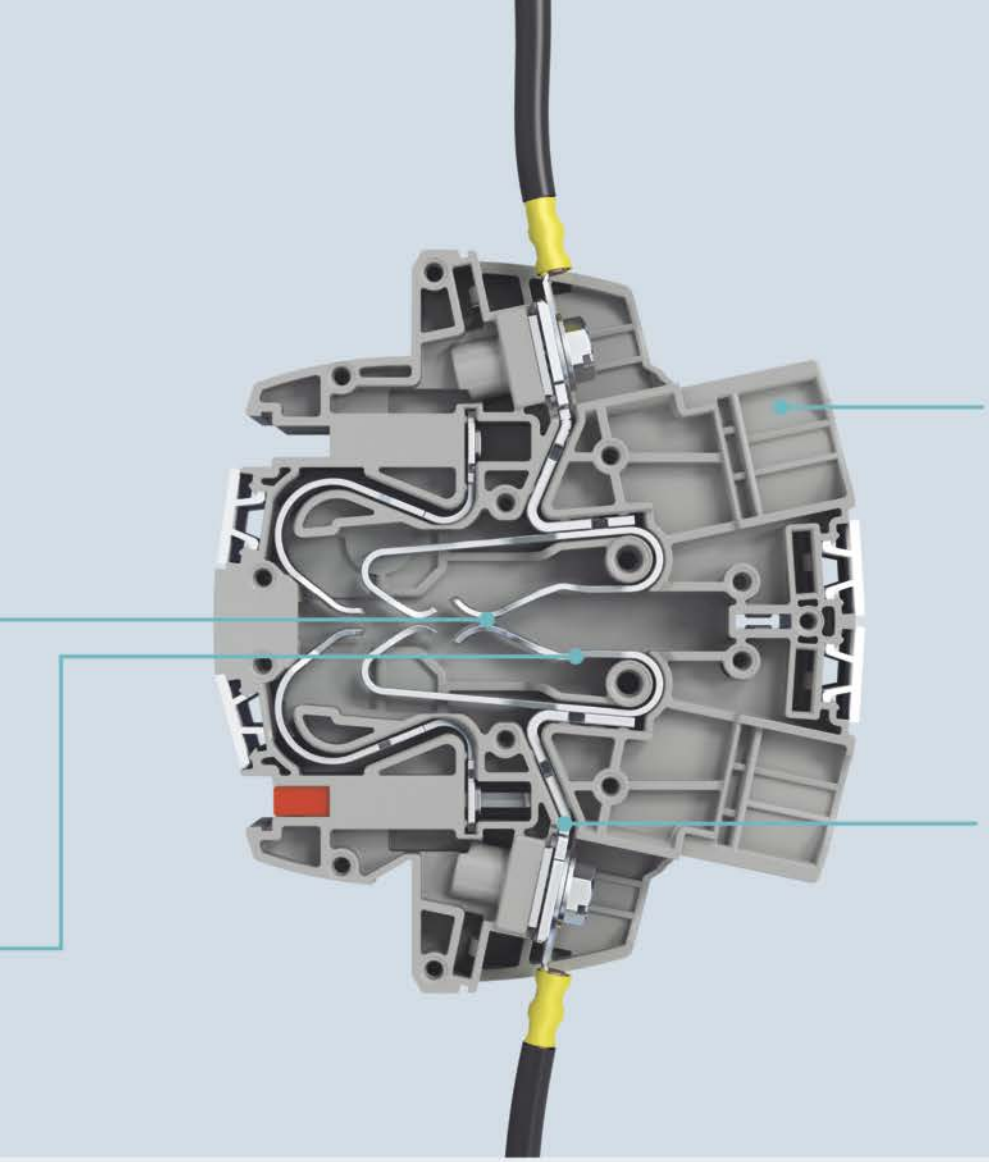
High-quality, hard-faced copper alloys ensure the lowest contact resistances and, as a result, maximum current transfer.

Maximum forces

The special spring material is tested according to the Larson Miller parameter and selected for optimum conductivity and service life.

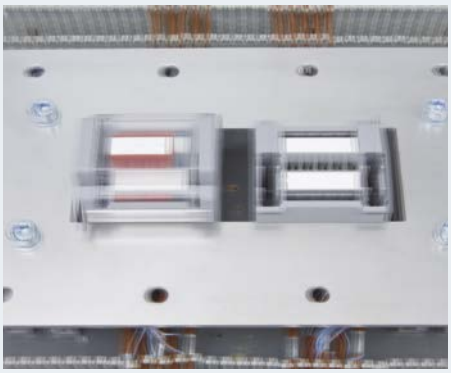
100% uninterruptible

The FAME system meets the highest requirements for signal interruptions. The patented spring has to contact zones that ensure full contact overlapping. During testing, no interruptions were determined when plugging in or removing the FAME plug.



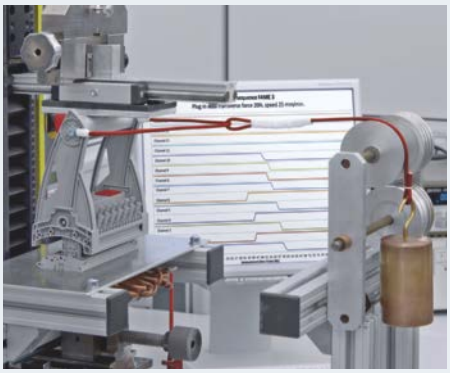
Requirements from the power industry
The FAME system was successfully tested with 5 kV beyond the rated impulse current of 4 kV.

Maximum current carrying capacity
The FAME basic terminal block is designed for continuous currents up to 30 A. In addition, the terminal block has an excellent short-time withstand current (150 A/10 s, 300 A/3 s, 500 A/1 s, 1500 A/30 ms).



Vibration-resistant contacting
The FAME plug-in test system even maintains the connection when the circuit breaker is tripped. The test runs through a frequency range of 5 Hz to 250 Hz at an acceleration of up to 6.12 m/s^2. The test objects are tested on each of the three axes (x, y, z). No contact interruptions greater 1 ms are permitted during the test.

Gas-tight contacting
The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. A test method describes a corrosion test in condensation climates with an atmosphere containing sulfur dioxide and salt mist. Even aggressive media do not impact the safe contacting of the FAME system.



Secure plug-in
At no time, a critical state is achieved, even with an already plugged in cable harness. In addition to the design of the spring, the lateral guiding of the plug provides for a defined plug angle. This ensures the short circuit of the current transformer before the contact is interrupted.

FAME 1

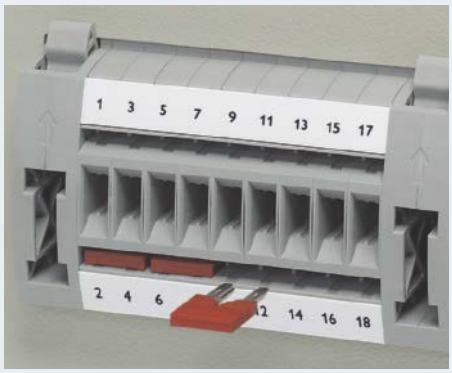
Plug-in test system with operating plug, with transformer short circuit (plug-in test socket)

FAME 1 combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts in separate compact and space-saving blocks. The system operates in accordance with the N/O contact principle. In normal operation, an operating plug is required. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket.

Web code: #1097

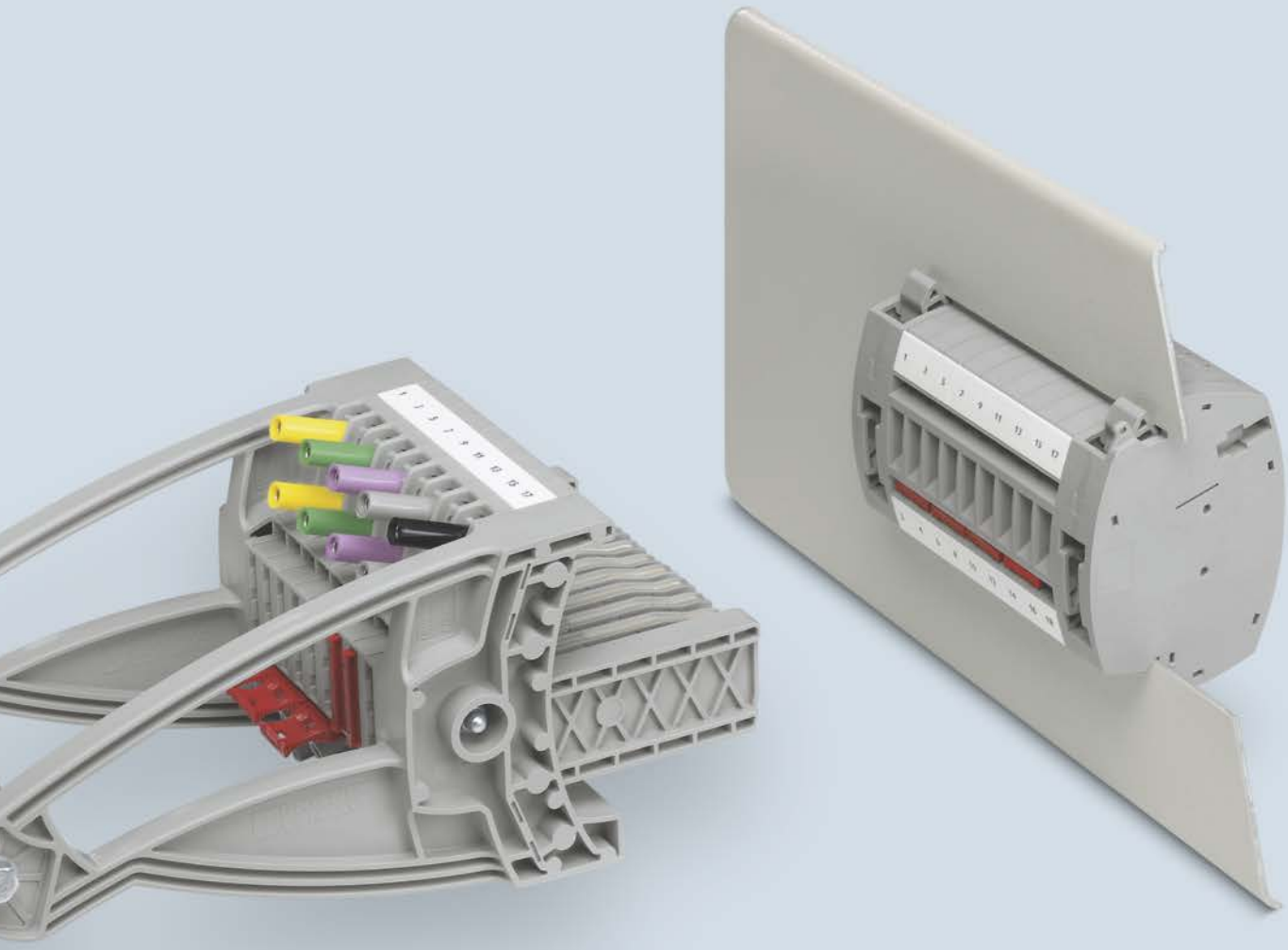
Requirements for East European Standards

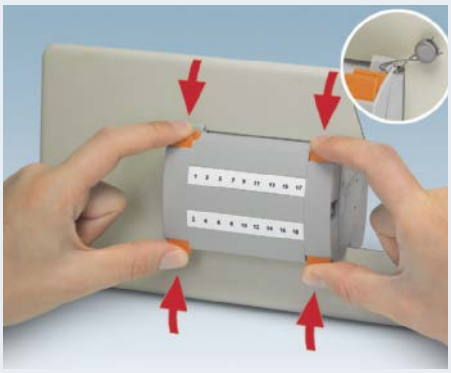
FAME 1 also complies with all East European requirements for plug-in test systems with an operating plug. The test system is approved in accordance with the EAC standard. Corresponding switching examples can be found on the following pages and in the product area on our website.



Easy short circuit jumpering

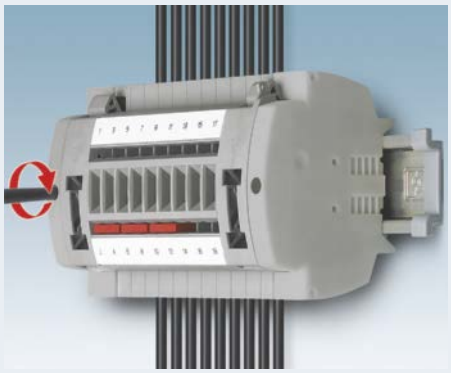
The plug-in test socket offers two function shafts on the control cabinet exterior for short circuit jumpering. The operating plug safely covers the short circuit jumpers in normal operation.





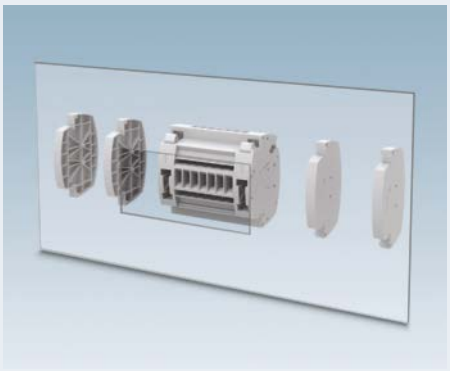
Safe application

It takes two hands to release the robust latching of the operating plug. An optional seal protects against unauthorized actuation.



Optional DIN rail mounting

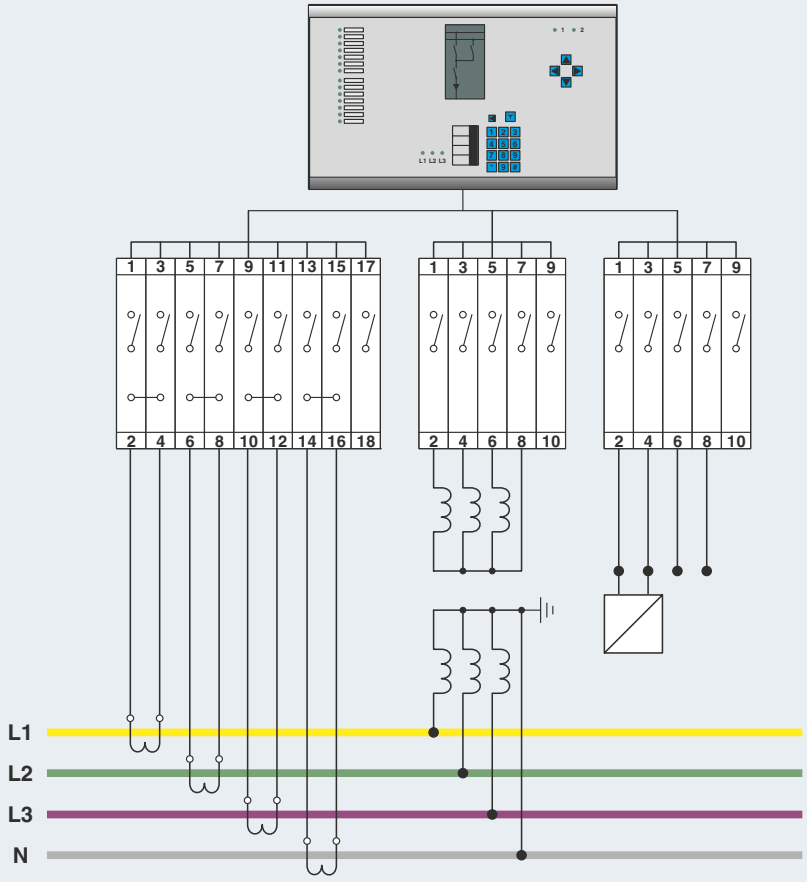
The pre-assembled plug-in test sockets can be mounted in a space-saving way by easily snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.



Compatible with existing panel cutouts

Plug-in test sockets with leveling shims are available for mounting in existing panel cutouts.

FAME 1: Mains protection: switching example with sequential switching sequence



Plug-in test socket for current transformers

Plug-in test socket for voltage transducers

Plug-in test socket for signal and tripping contacts

Plug-in test socket, operating plugs, test plugs

Order No.	Type	Required quantity
3069064	UTWE 6/8+1	1
3069297	FWP 8+1	1
3069242	FTP 8+1	1

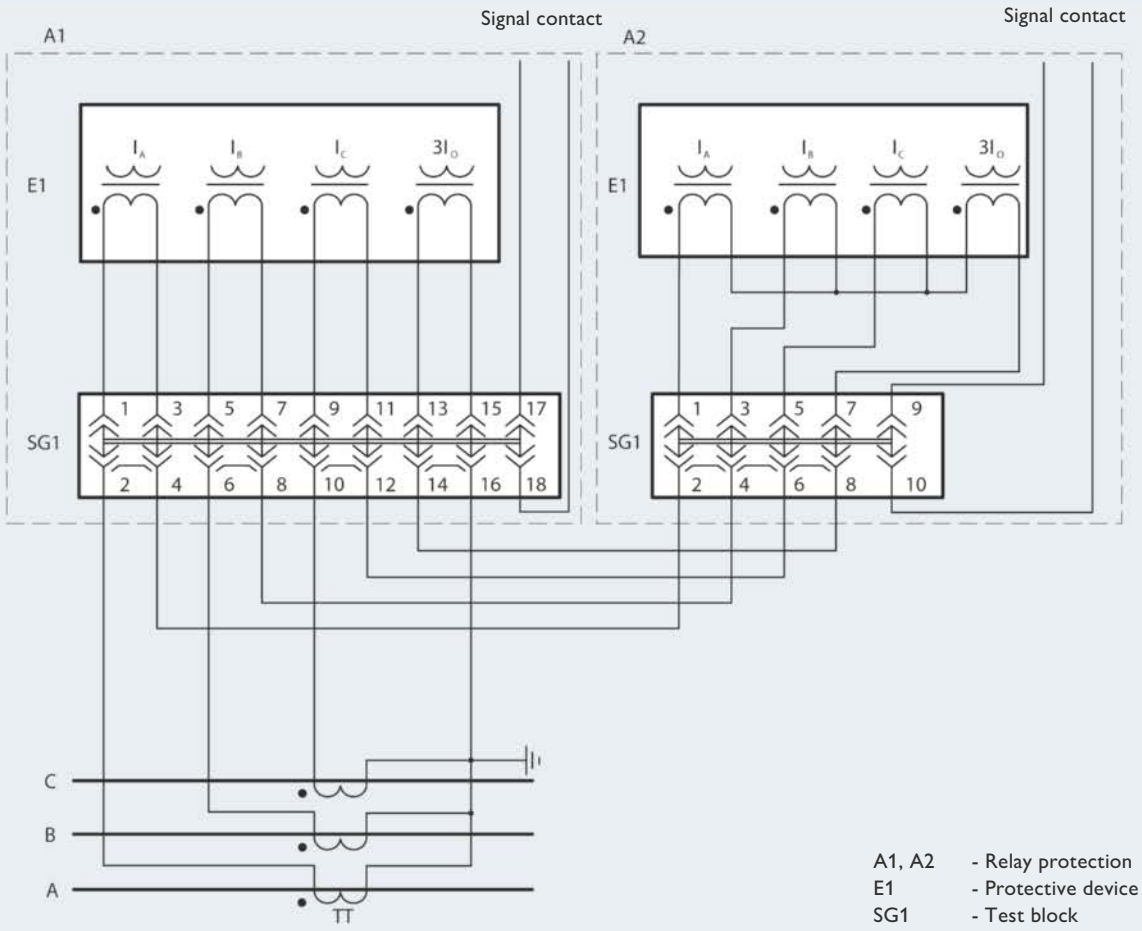
Order No.	Type	Required quantity
3069048	UTWE 6/4+1	1
3069271	FWP 4+1	1
3069223	FTP 4+1	1

Order No.	Type	Required quantity
3069048	UTWE 6/4+1	1
3069271	FWP 4+1	1
3069223	FTP 4+1	1

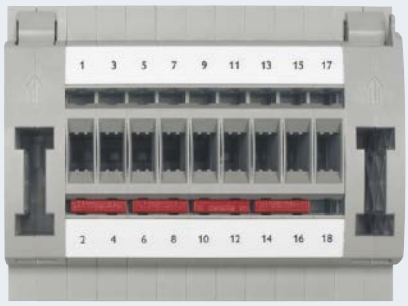
Plug-in bridge

3030284	FBS 2-8	4

FAME 1: Mains protection: switching example in accordance with East European standards



Plug-in test socket for A1 - SG1



Plug-in test socket, operating plugs, test plugs

Order No.	Type	Required quantity
3074104	FAME 6/8+1	1
3074122	FAME-WP 8+1	1
3074112	FAME-TP 8+1	1

Plug-in bridge

3030284	FBS 2-8	4

Plug-in test socket for A2 - SG1

Plug-in test socket, operating plugs, test plugs

Order No.	Type	Required quantity
3074100	FAME 6/4+1	1
3074120	FAME-WP 4+1	1
3074110	FAME-TP 4+1	1

Plug-in bridge

3030307	FBS4-8	1

FAME 1

Technical data

Plug-in test socket

Maximum operating current/voltage	[A]/[V]	30 / 400
Nominal current/cross section	[A]/[mm²]	24 / 6
Rated surge voltage	[kV]	4
Test surge voltage	[kV]	5
Solid/AWG	[mm²]/-	0.2 - 10/24 - 8
Stranded/AWG	[mm²]/-	0.2 - 10/24 - 8
Stranded with ferrule/AWG	[mm²]/-	0.25 - 6/24 - 10
2 conductors (of same type) solid/str.	[mm²]/[mm²]	0.2 - 2.5/0.2 - 2.5
Stripping length	[mm]	10
Tightening torque	[Nm]	1.5 - 1.8
Tightening torque for wall fastening	[Nm]	0.8 - 1
Insulation material		PA
Flammability rating UL 94		V0

Operating plug

Maximum operating current/voltage	[A]/[V]	30 / 400
Nominal current/cross section	[A]/[mm²]	24 / 6
Rated surge voltage	[kV]	4

Test plug

Maximum operating current/voltage	[A]/[V]	24 / 400
Nominal current/cross section	[A]/[mm²]	24/2.5
Rated surge voltage	[kV]	4
Test socket torque	[Nm]	0.5 - 0.6

Plug-in test socket
Wall mount

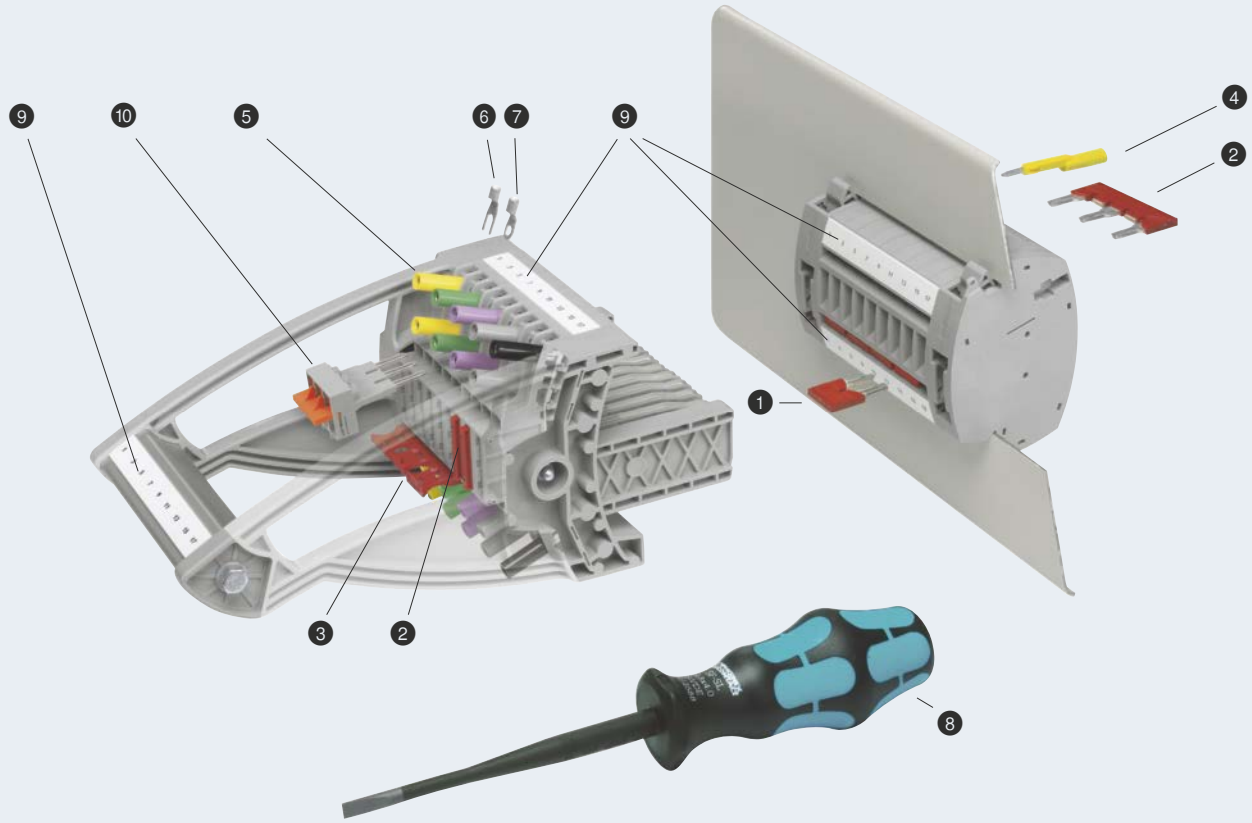
	Type	Order No.
4-pos.	UTWE 6/3+1	3069047
5-pos.	UTWE 6/4+1	3069048
5-pos. For standard panel cutouts with blind positions	UTWE 6/4+1 BI	3070008
6-pos.	UTWE 6/5+1	3069049
7-pos.	UTWE 6/6+1	3069051
7-pos. For standard panel cutouts with blind positions	UTWE 6/6+1 BI	3069996
8-pos.	UTWE 6/7+1	3069065
9-pos.	UTWE 6/8+1	3069064
13-pos.	UTWE 6/12+1	3069077

FAME 1

Operating plug		Test plug[1])		Compact test plug		Blind plug	
							
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 3+1	3069270	FTP 3+1	3069222	FTPC 3+1	3069259	FBP 3+1	3069399
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 4+1	3069271	FTP 4+1	3069223	FTPC 4+1	3069260	FBP 4+1	3069405
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 4+1		FTP 4+1	3069223	FTPC 4+1	3069260	FBP 4+1	3069405
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 5+1	3069272	FTP 5+1	3069241	FTPC 5+1	3069261	FBP 5+1	3069409
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 6+1	3069284	FTP 6+1	3069239	FTPC 6+1	3069262	FBP 6+1	3069406
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 6+1	3069284	FTP 6+1	3069239	FTPC 6+1	3069262	FBP 6+1	3069406
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 7+1	3069298	FTP 7+1	3069243	FTPC 7+1	3069263	FBP 7+1	3069400
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 8+1	3069297	FTP 8+1	3069242	FTPC 8+1	3069264	FBP 8+1	3069407
Type	Order No.	Type	Order No.	Type	Order No.	Type	Order No.
FWP 12+1	3069307	FTP 12+1	3069255	FTPC 12+1	3069265	FBP 12+1	3069408

[1]) With mounted test socket screws

FAME 1 accessories



1

	Plug-in bridges						
	2-pos.	3-pos.	4-pos.	5-pos.	6-pos.	10-pos.	16-pos.
UTWE ...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 6-8 3032470	FBS 10-8 3030323	FBSR 16-8 3033816
FTP ...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 6-8 3032470	FBS 10-8 3030323	FBSR 16-8 3033816

2

Plug-in bridges, pre-assembled and printed			
3-pos. Pos. 1, 3	4-pos. Pos. 1, 4	5-pos. Pos. 1, 3, 5	10-pos. Pos. 1, 4, 7, 10
FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402

3

	Plug-in bridges, with extraction tool		
	2-pos.	3-pos.	4-pos.
UTWE ... [1]	FBSRH 2-8 3033802 [1]	FBSRH 3-8 3033803 [1]	FBSRH 4-8 3033804 [1]
FTP ...	FBSRH 2-8 3033802	FBSRH 3-8 3033803	FBSRH 4-8 3033804

10

Bridge bars		
2-pos.	3-pos.	4-pos.
—	—	—
SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589

Shoulder bag, for FAME connectors

FAME-BAG 260 3069520

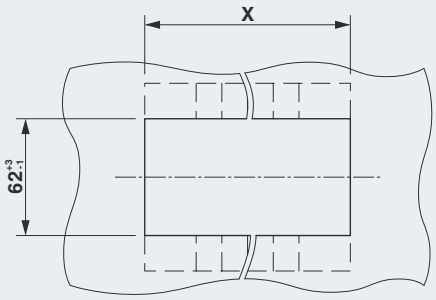
4

Plug-in test plug adapter for UTWE ..., FTP ..., 4 mm diameter

Orange	Yellow	Green	Violet	Black	Blue	Red	Gray	Brown
PAI-4-FIX OG 3034455	PAI-4-FIX YE 3032745	PAI-4-FIX GN 3032758	PAI-4-FIX VT 3032761	PAI-4-FIX BK 3032774	PAI-4-FIX BU 3032729	PAI-4-FIX RD 3032732	PAI-4-FIX GY 3032790	PAI-4-FIX BN 3032787

FAME 1 assembly instructions

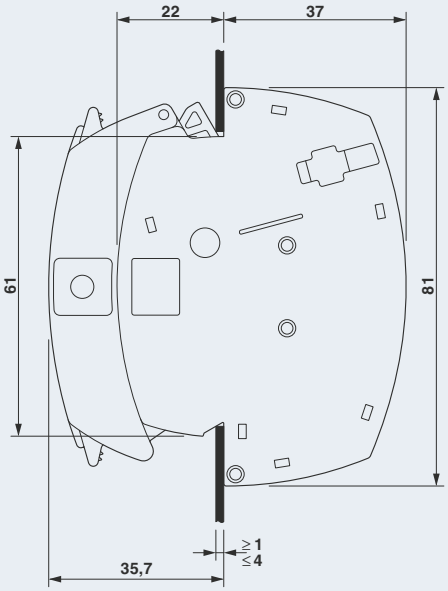
Panel cutout dimensions



Panel cutout

Cutout dimension	Housing panel thickness
X = number of positions x 8.2 mm + 33.1 mm	≥ 1 mm ≤ 4 mm

Side view dimensions



FAME 1 accessories

5

Screwable test sockets for FTP ..., 4 mm diameter

Clear	Yellow	Green	Violet	Black	Blue	Red	Gray	Brown	White
PSBJ-URTK 6 FARBLOS 3026450	PSBJ-URTK 6 YE 3026405	PSBJ-URTK 6 GN 3026418	PSBJ-URTK 6 VT 3026421	PSBJ-URTK 6 BK 3026447	PSBJ-URTK 6 BU 3026434	PSBJ-URTK 6 RD 3026719	PSBJ-URTK 6 GY 3026612	PSBJ-URTK 6 BN 3026971	PSBJ-URTK 6 WH 3026448

Cable lugs for use on screw test sockets FTP ...

6 7

Fork-type cable lug, uninsulated	Fork-type cable lug, uninsulated	Fork-type cable lug, insulated	Fork-type cable lug, insulated	Ring cable lug, uninsulated	Ring cable lug, uninsulated	Ring cable lug, insulated	Ring cable lug, insulated
C-FC 1,5/M3 3240137	C-FC 2,5/M3 3240142	C-FCI 1,5/M3 3240032	C-FCI 2,5/M3 3240037	C-RC 1/M3 DIN 3240070	C-RC 2,5/M3 DIN 3240076	C-RCI 1,5/M3 3240016	C-RCI 2,5/M3 3240021

8 9

	Screwdriver		Marking [3]	Transducer block cover, internal [4]		Adapter for mounting on DIN rails [5]
	Non-insulated	Insulated		Cover profile	Cover profile holder	
UTWE ...	SF-SL 0,8X4,0-100 1212551	SF-SL 0,8X4,0-100 S-VDE 1212588	UC-TM 8, UCT-TM 8, TMT (EX9,5)R	AP RSC-T 3059139	APH-UTWE 6 3069056	E-UTWE 6 3069055
FWP ...	—	—		—	—	—
FTP ... [2]	SF-SL 0,8X4,0-100 1212551	SF-SL 0,8X4,0-100 S-VDE 1212588		—	—	—
FBP ...	—	—		—	—	—

[1] Can only be used inside the control cabinet
[2] For test sockets
[3] See catalog 3 and the product area on our website, phoenixcontact.net/products.
[4] See page 33
[5] See page 13

FAME 2

Plug-in test system without operating plug, with transformer short circuit (test plug)

FAME 2, the plug-in test system without operating plug, combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts, into just one compact and space-saving block. The system operates according to the N/C contact principle. An operating plug is not required. Plug-in bridges in the test plug ensure an automatic transducer short circuit function.

Free choice of connection technology

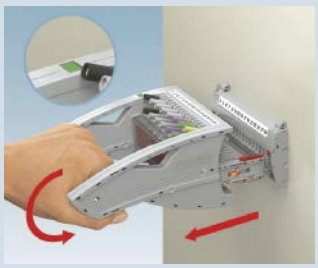
The plug-in test sockets are available with the universal screw connection technology or simple Push-in connection technology.

Web code: #1096

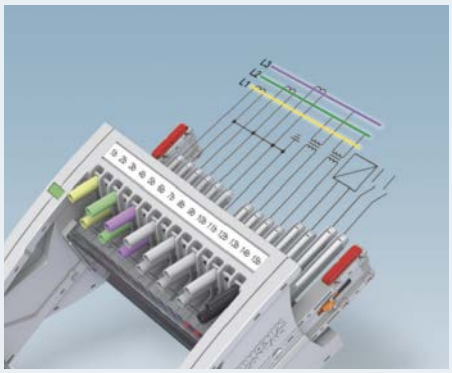
Patented twist mechanism for controlled, safe switching

Step 1
Plug locked – transformer and signals short circuited or isolated safely.

Step 2
Plug partially unlocked – current transformer makes contact.

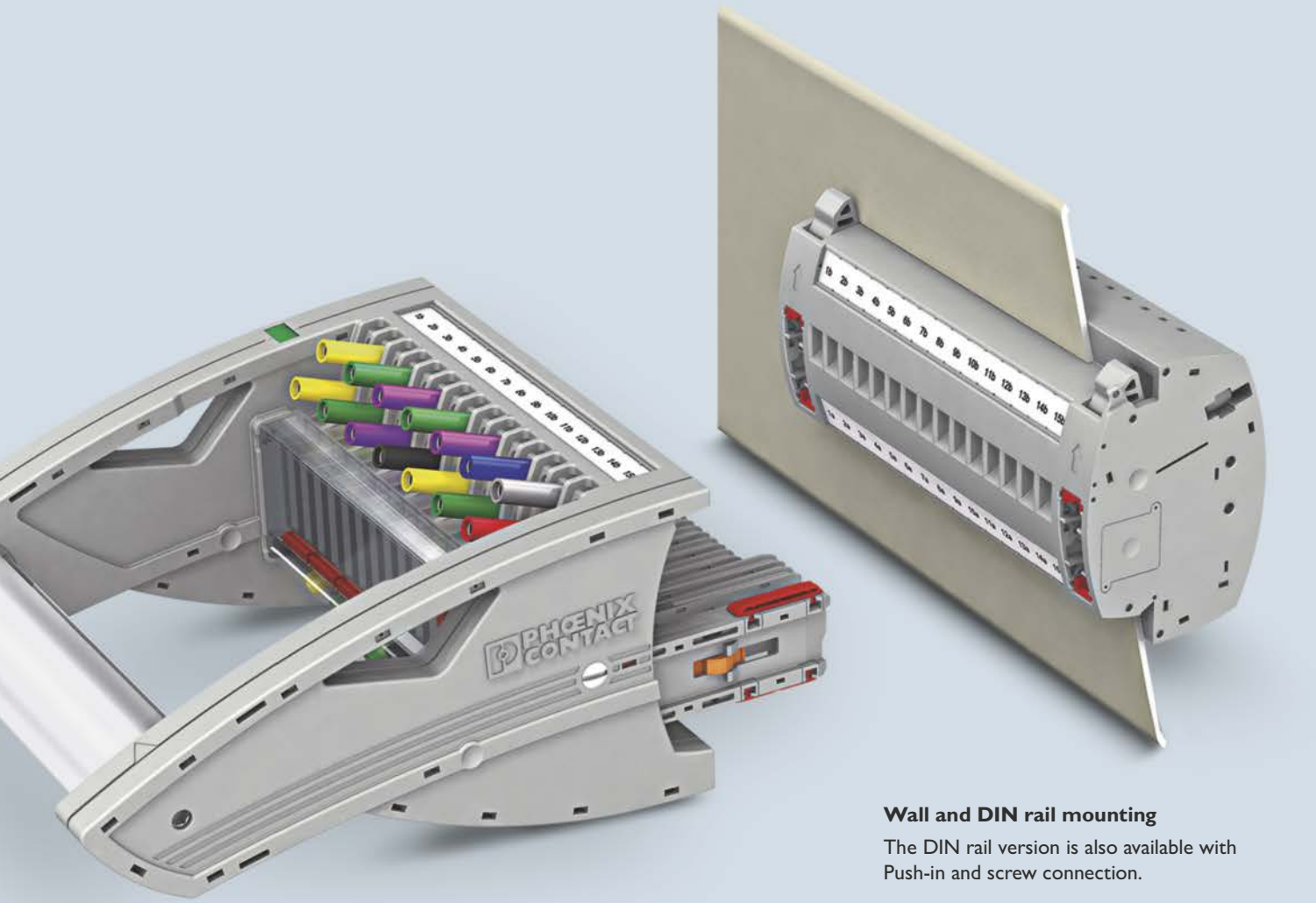


Step 3
Plug fully unlocked – signal lines make contact.



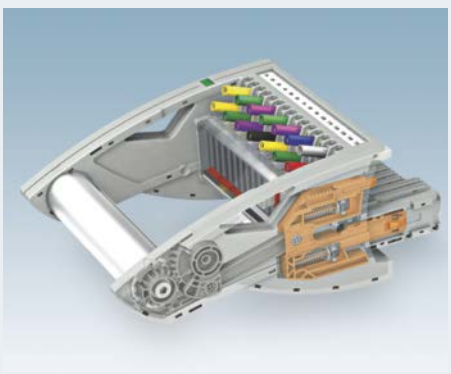
Safe with forced switching sequence

The test plug allows the switching sequence to be carried out with safe chronological disconnection with a plugging operation via three different contact tab lengths. The plugs can be easily configured and ordered with just a click of the mouse in the product area on the website.



Wall and DIN rail mounting

The DIN rail version is also available with Push-in and screw connection.

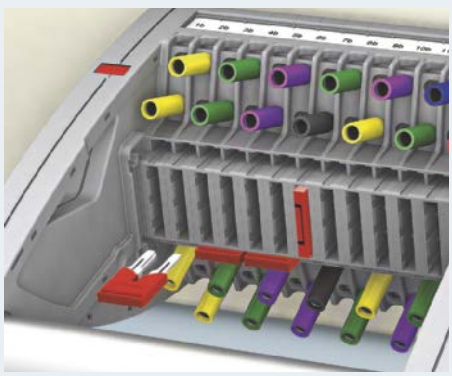


Patented rotary handle

The patented twist mechanism supports defined unplugging of the test plug from the plug-in test socket. A locking device with optical display and forced locking in the various plug-in depths offers maximum safety.

Safe assignment

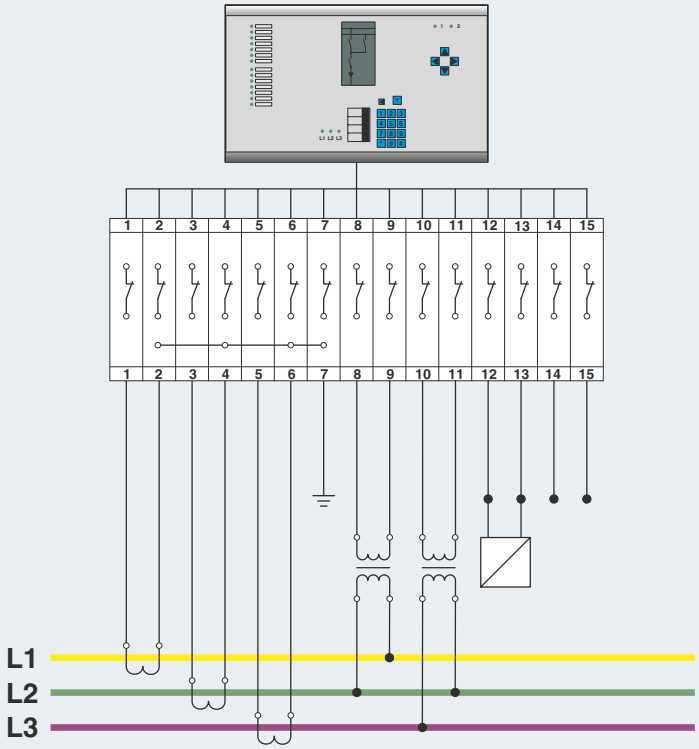
Coding, which can be used optionally, ensures clear assignment of plug and plug-in test socket. In line with the VDE directive, pre-assembled and coded test plugs with the corresponding plug-in test sockets are available for various switching tasks.



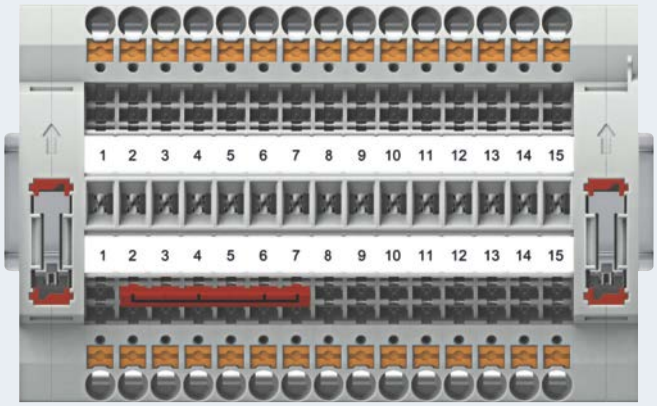
Safe transformer short circuit

Short circuit jumper with standard jumpers as clearly identifiable positioning of short circuit function in the test plug. An optional cover profile protects against manipulation.

FAME 2: Mains protection: circuit with star point grounding in plug-in test socket



Plug-in test socket with current transformer, voltage transducer, and signals



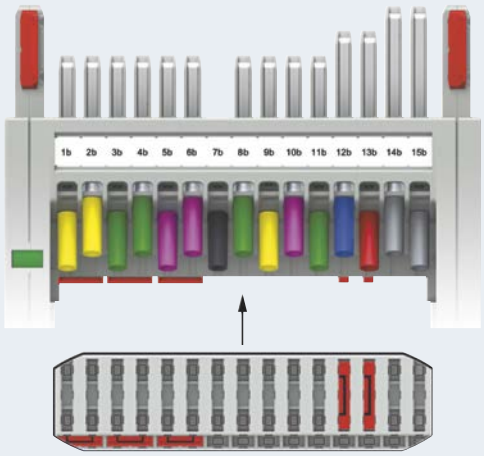
Plug-in test socket, blind plug

Order No.	Type	Required quantity
3069864	PTRE 6-2/15	1
3069886	FBP 2/15	1

Plug-in bridge

3032470	FBS 6-8	1

Test plug with current transformer, voltage transducer, and signals



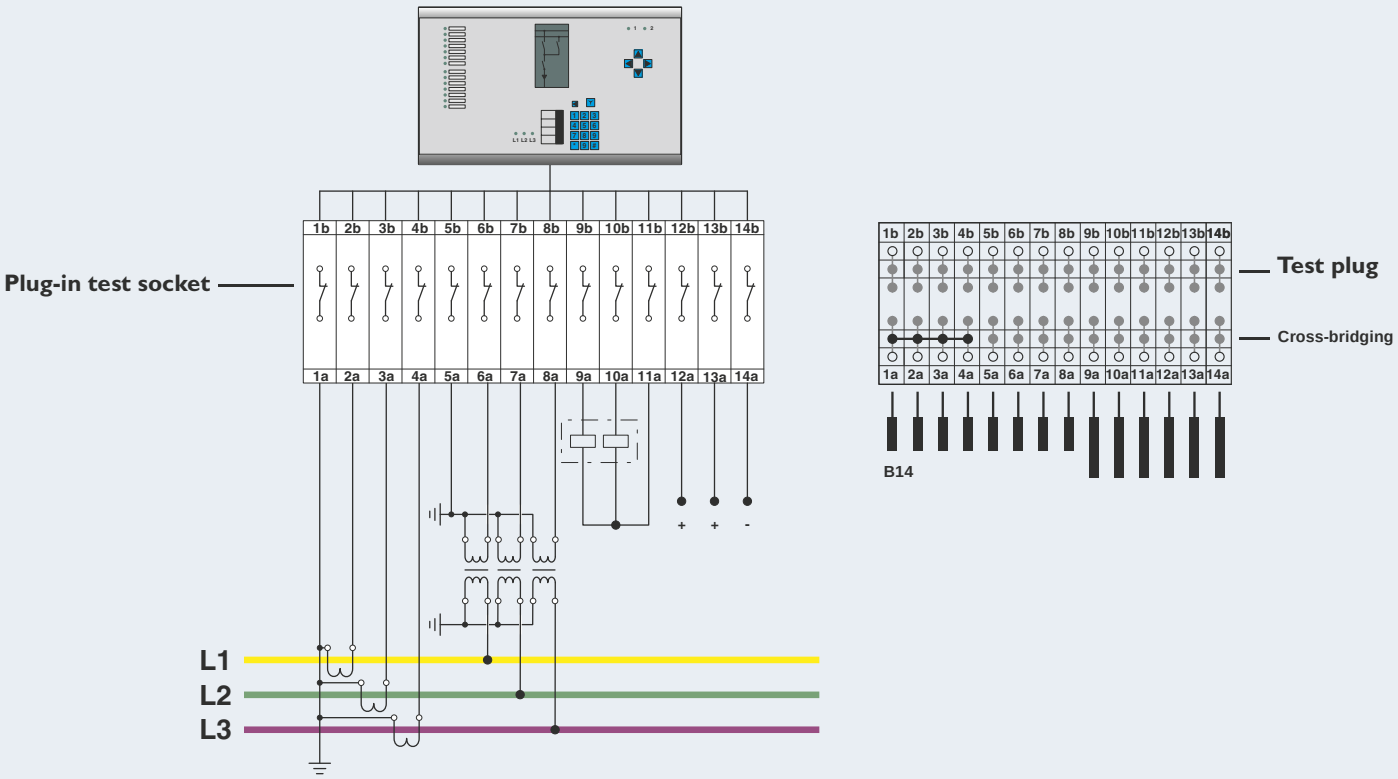
Test plug

Order No.	Type	Required quantity
3001693	FTPR 2/15	1

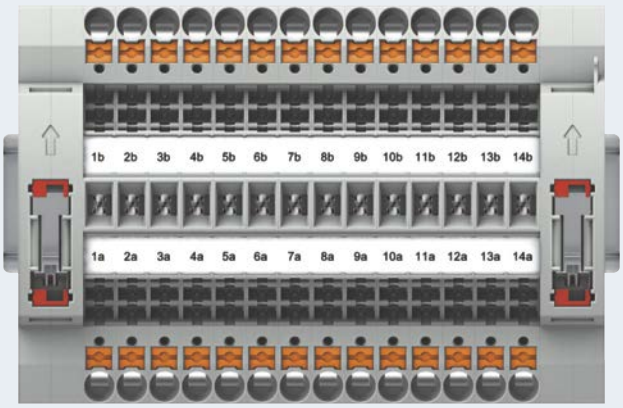
Plug-in bridge

3030284	FBS 2-8	3
3030297	FBS 3-8	2

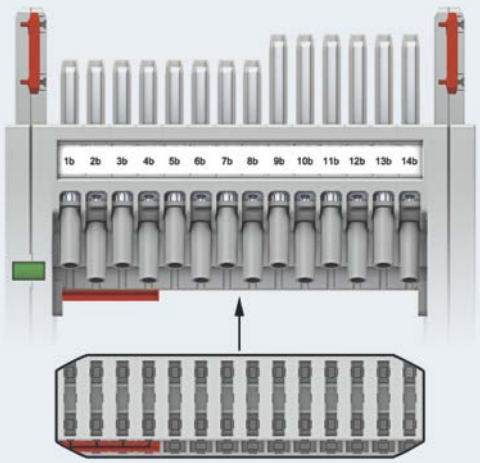
FAME 2: Mains protection: switching example in accordance with VDE specification type B14



Plug-in test socket for VDE type B14



Test plug for VDE type B14



Plug-in test socket, blind plug

Order No.	Type	Required quantity
3069453	PTRE 6-2/B14	1
3069501	FBP-2/B14	1

Test plug

	Order No.	Type	Required quantity
Rotary handle	3069488	FTPR-2/B14	1
Standard handle	3069475	FTP-2/B14	1

Additional variants are located starting on page 28 or in the product area on our website, phoenixcontact.net/products.
Additional accessories, such as test sockets and coding profile, can be found starting on page 33.

Plug-in test socket, multi-position with Push-in connection

Technical data		Wall mount	DIN rail mounting
Maximum operating current/voltage	[A]/[V]	30 / 400[1])	30 / 400[1])
Nominal current/cross section	[A]/[mm²]	24 / 6	24 / 6
Rated cross section	[mm²]	6	6
Rated surge voltage	[kV]	4	4
Test surge voltage	[kV]	5	5
Solid/AWG	[mm²]/-	0.5 - 10/20 - 8	0.5 - 10/20 - 8
Stranded/AWG	[mm²]/-	0.5 - 6/20 - 10	0.5 - 6/20 - 10
Stranded with ferrule/AWG	[mm²]/-	0.5 - 6/20 - 10	0.5 - 6/20 - 10
2 stranded conductors with a TWIN ferrule	[mm²]	0.5 - 1.5	0.5 - 1.5
Connection cross sections directly pluggable, solid/with ferrule	[mm²]/[mm²]	1 - 10 / 1 - 6	1 - 10 / 1 - 6
Stripping length	[mm]	12	12
Wall fastening tightening torque	[Nm]	0.8 - 1	—
Wall thickness	[mm]	1 - 4	—
Insulation material		PA	PA
Flammability rating UL 94		V0	V0

Number of positions	Color	Type	Order No.	Type	Order No.
4-pos.	Gray	PTWE 6-2/4	3069827	PTRE 6-2/4	3069849
5-pos.	Gray	PTWE 6-2/5	3069828	PTRE 6-2/5	3069850
6-pos.	Gray	PTWE 6-2/6	3069898	PTRE 6-2/6	3069851
7-pos.	Gray	PTWE 6-2/7	3069830	PTRE 6-2/7	3069852
8-pos.	Gray	PTWE 6-2/8	3069831	PTRE 6-2/8	3069853
9-pos.	Gray	PTWE 6-2/9	3069832	PTRE 6-2/9	3069854
10-pos.	Gray	PTWE 6-2/10	3069833	PTRE 6-2/10	3069855
11-pos.	Gray	PTWE 6-2/11	3069834	PTRE 6-2/11	3069860
12-pos.	Gray	PTWE 6-2/12	3069835	PTRE 6-2/12	3069861
13-pos.	Gray	PTWE 6-2/13	3069836	PTRE 6-2/13	3069862
14-pos.	Gray	PTWE 6-2/14	3069837	PTRE 6-2/14	3069863
15-pos.	Gray	PTWE 6-2/15	3069838	PTRE 6-2/15	3069864
16-pos.	Gray	PTWE 6-2/16	3069839	PTRE 6-2/16	3069865
17-pos.	Gray	PTWE 6-2/17	3069840	PTRE 6-2/17	3069866
18-pos.	Gray	PTWE 6-2/18	3069841	PTRE 6-2/18	3069867
19-pos.	Gray	PTWE 6-2/19	3069842	PTRE 6-2/19	3069868
20-pos.	Gray	PTWE 6-2/20	3069843	PTRE 6-2/20	3069869
21-pos.	Gray	PTWE 6-2/21	3069844	PTRE 6-2/21	3069870
22-pos.	Gray	PTWE 6-2/22	3069845	PTRE 6-2/22	3069871
23-pos.	Gray	PTWE 6-2/23	3069846	PTRE 6-2/23	3069872
24-pos.	Gray	PTWE 6-2/24	3069847	PTRE 6-2/24	3069873
25-pos.	Gray	PTWE 6-2/25	3069848	PTRE 6-2/25	3069874

Plug-in test socket, multi-position, with screw connection

Technical data		Wall mount	DIN rail mounting
Maximum operating current/voltage	[A]/[V]	30 / 400[1])	30 / 400[1])
Nominal current/cross section	[A]/[mm²]	24 / 6	24 / 6
Rated surge voltage	[kV]	4	4
Test surge voltage	[kV]	5	5
Rated cross section	[mm²]	6	6
Solid/AWG	[mm²]/-	0.2 - 10/24 - 8	0.2 - 10/24 - 8
Stranded/AWG	[mm²]/-	0.2 - 10/24 - 8	0.2 - 10/24 - 8
Stranded with ferrule/AWG	[mm²]/-	0.25 - 6/24 - 10	0.25 - 6/24 - 10
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.2 - 2.5/0.2 - 2.5	0.2 - 2.5/0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm²]	0.5 - 2.5	0.5 - 2.5
Stripping length	[mm]	12	10
Screw thread		M4	M4
Tightening torque	[Nm]	1.5 - 1.8	1.5 - 1.8
Tightening torque for wall fastening	[Nm]	0.8 - 1	—
Wall thickness	[mm]	1 - 4	—
Insulation material		PA	PA
Flammability rating UL 94		V0	V0

Number of positions	Color	Type	Order No.	Type	Order No.
4-pos.	Gray	UTWE 6-2/4	3069650	UTRE 6-2/4	3069805
5-pos.	Gray	UTWE 6-2/5	3069651	UTRE 6-2/5	3069806
6-pos.	Gray	UTWE 6-2/6	3069652	UTRE 6-2/6	3069807
7-pos.	Gray	UTWE 6-2/7	3069654	UTRE 6-2/7	3069808
8-pos.	Gray	UTWE 6-2/8	3069655	UTRE 6-2/8	3069809
9-pos.	Gray	UTWE 6-2/9	3069656	UTRE 6-2/9	3069810
10-pos.	Gray	UTWE 6-2/10	3069658	UTRE 6-2/10	3069811
11-pos.	Gray	UTWE 6-2/11	3069659	UTRE 6-2/11	3069812
12-pos.	Gray	UTWE 6-2/12	3069660	UTRE 6-2/12	3069813
13-pos.	Gray	UTWE 6-2/13	3069662	UTRE 6-2/13	3069814
14-pos.	Gray	UTWE 6-2/14	3069663	UTRE 6-2/14	3069815
15-pos.	Gray	UTWE 6-2/15	3069664	UTRE 6-2/15	3069816
16-pos.	Gray	UTWE 6-2/16	3069666	UTRE 6-2/16	3069817
17-pos.	Gray	UTWE 6-2/17	3069667	UTRE 6-2/17	3069818
18-pos.	Gray	UTWE 6-2/18	3069668	UTRE 6-2/16	3069819
19-pos.	Gray	UTWE 6-2/19	3069672	UTRE 6-2/19	3069820
20-pos.	Gray	UTWE 6-2/20	3069673	UTRE 6-2/20	3069821
21-pos.	Gray	UTWE 6-2/21	3069800	UTRE 6-2/21	3069822
22-pos.	Gray	UTWE 6-2/22	3069801	UTRE 6-2/22	3069823
23-pos.	Gray	UTWE 6-2/23	3069802	UTRE 6-2/23	3069824
24-pos.	Gray	UTWE 6-2/24	3069803	UTRE 6-2/24	3069825
25-pos.	Gray	UTWE 6-2/25	3069804	UTRE 6-2/25	3069826

[1]) Derating curve available on request.
The dimensions of the panel cutouts can be found on page 33.
Further numbers of positions on request.
Additional accessories, such as test sockets and coding profile, can be found starting on page 32.

Test plug[2], multi-position, contact tabs freely configurable

Technical data		Rotary handle	Standard handle
Maximum operating current/voltage	[A]/[V]	24 / 400[1])	24 / 400[1])
Nominal current/cross section	[A]/[mm²]	24/2.5	24/2.5
Stranded/AWG	[mm²]/—	0.5 - 2.5/20 - 14	0.5 - 2.5/20 - 14
Tightening torque: test socket screw	[Nm]	0.5 - 0.6	0.5 - 0.6
Insulation material		PA	PA
Flammability rating UL 94		V0	V0

Number of positions	Color	Type	Order No.	Type	Order No.
4-pos.	**Gray**	**FTPR-2/4**	**3001681**	**FTP-2/4**	**3001706**
5-pos.	**Gray**	**FTPR-2/5**	**3001683**	**FTP-2/5**	**3001707**
6-pos.	**Gray**	**FTPR-2/6**	**3001684**	**FTP-2/6**	**3001708**
7-pos.	**Gray**	**FTPR-2/7**	**3001685**	**FTP-2/7**	**3001709**
8-pos.	**Gray**	**FTPR-2/8**	**3001686**	**FTP-2/8**	**3001710**
9-pos.	**Gray**	**FTPR-2/9**	**3001687**	**FTP-2/9**	**3001711**
10-pos.	**Gray**	**FTPR-2/10**	**3001688**	**FTP-2/10**	**3001712**
11-pos.	**Gray**	**FTPR-2/11**	**3001689**	**FTP-2/11**	**3001713**
12-pos.	**Gray**	**FTPR-2/12**	**3001690**	**FTP-2/12**	**3001714**
13-pos.	**Gray**	**FTPR-2/13**	**3001691**	**FTP-2/13**	**3001715**
14-pos.	**Gray**	**FTPR-2/14**	**3001692**	**FTP-2/14**	**3001716**
15-pos.	**Gray**	**FTPR-2/15**	**3001693**	**FTP-2/15**	**3001717**
16-pos.	**Gray**	**FTPR-2/16**	**3001694**	**FTP-2/16**	**3001719**
17-pos.	**Gray**	**FTPR-2/17**	**3001696**	**FTP-2/17**	**3001720**
18-pos.	**Gray**	**FTPR-2/18**	**3001697**	**FTP-2/18**	**3001722**
19-pos.	**Gray**	**FTPR-2/19**	**3001698**	**FTP-2/19**	**3001723**
20-pos.	**Gray**	**FTPR-2/20**	**3001699**	**FTP-2/20**	**3001724**
21-pos.	**Gray**	**FTPR-2/21**	**3001700**	**FTP-2/21**	**3001725**
22-pos.	**Gray**	**FTPR-2/22**	**3001701**	**FTP-2/22**	**3001726**
23-pos.	**Gray**	**FTPR-2/23**	**3001702**	**FTP-2/23**	**3001727**
24-pos.	**Gray**	**FTPR-2/24**	**3001703**	**FTP-2/24**	**3001728**
25-pos.	**Gray**	**FTPR-2/25**	**3001704**	**FTP-2/25**	**3001729**

Test plug[2] for individual test

Technical data		
Maximum operating current/voltage	[A]/[V]	24 / 400[1])
Nominal current/cross section	[A]/[mm²]	24/2.5
Rated cross section	[mm²]	6
Stranded/AWG	[mm²]/—	0.5 - 2.5/20 - 14
Tightening torque: test socket screw	[Nm]	0.5 - 0.6
Insulation material		PA
Flammability rating UL 94		V0

Number of positions	Color	Type	Order No.
1-pos., with test sockets	**Red**	**FTP-2/1 SERVICE**	**3069469**
4-pos.	**Red**	**FTP-2/4 SERVICE**	**3069468**

[1]) Rated surge voltage 5 kV.
[2]) With mounted test socket screws.

Other numbers of positions are available on request.

Order example: configurable test plug with twist grip function

To ensure that your order is correct, you need a defined view of how everything is counted.
It is achieved when the status window in the top view is visible on the left-hand side.
Position 1 then is on the left.
Each position of a test plug must be described by a contact tab feature that is selected.
The following features are possible:

S	Short contact tab, gray
M	Medium contact tab, gray
L	Long contact tab, gray
LGN	Long contact tab, green
N	No contact tab, gray

Each position with a contact tab comes fitted with two gray test sockets.

Simply configure and place your order with a click
The test plugs can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products.

Web code: #1300

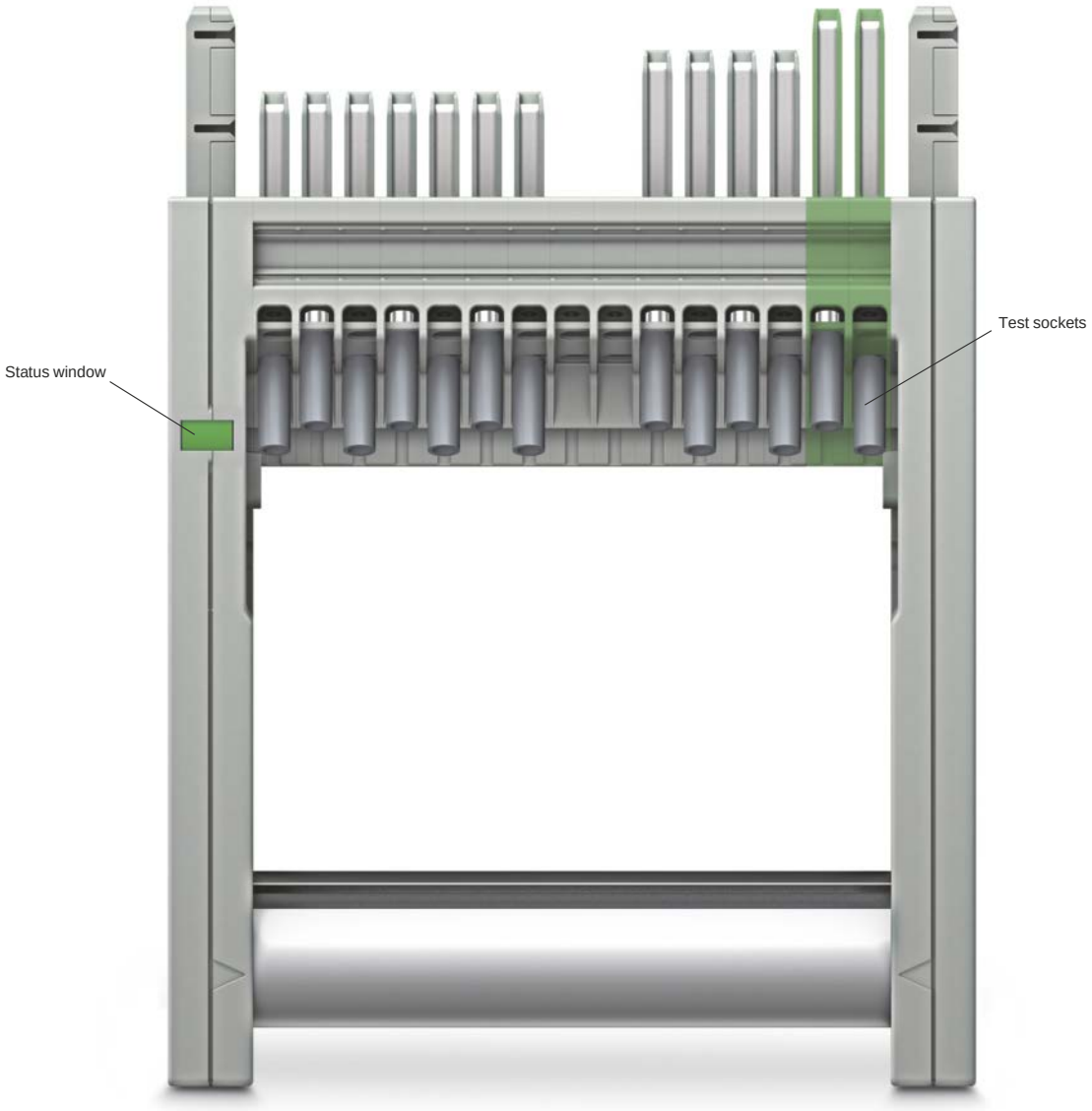
Ordering example:

A 15-pos. test plug with twist grip needs to be configured as follows:

Pos. 1	Short contact tab, gray	Pos. 9	No contact tab, gray
Pos. 2	Short contact tab, gray	Pos. 10	Medium contact tab, gray
Pos. 3	Short contact tab, gray	Pos. 11	Medium contact tab, gray
Pos. 4	Short contact tab, gray	Pos. 12	Medium contact tab, gray
Pos. 5	Short contact tab, gray	Pos. 13	Medium contact tab, gray
Pos. 6	Short contact tab, gray	Pos. 14	Long contact tab, green
Pos. 7	Short contact tab, gray	Pos. 15	Long contact tab, green
Pos. 8	No contact tab, gray		

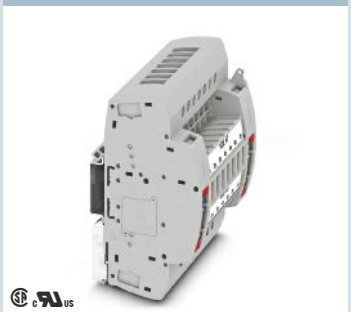
The order data for this ordering example is therefore:

Order No.	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6	Pos. 7	Pos. 8	Pos. 9	Pos. 10	Pos. 11	Pos. 12	Pos. 13	Pos. 14	Pos. 15
3001693	S	S	S	S	S	S	S	N	N	M	M	M	M	LGN	LGN



FAME 2: VDE versions, 7-pos. and 14-pos.

VDE type	Plug-in test socket Wall mount	Plug-in test socket DIN rail mounting
		
A7 The VDE A7 version described here is suitable as a plug-in test system in single-system current, voltage, and power relays, wattmetric and ground fault wiper relays, detuning level controllers or as reverse power protection for generators.	Type / Order No. With Push-in connection PTWE 6-2/A7 — 3069436	Type / Order No. With Push-in connection PTRE 6-2/A7 — 3069449
B7 The VDE B7 version described here is suitable as a plug-in test system in digital differential protection as an addition to the F19 plug-in test system.	Type / Order No. With Push-in connection PTWE 6-2/B7 — 3069437	Type / Order No. With Push-in connection PTRE 6-2/B7 — 3069450
E7 The VDE E7 version is suitable as a plug-in test system for single-level, automatic frequency discharge and as rotor ground fault protection.	Type / Order No. With Push-in connection PTWE 6-2/E7 — 3069438	Type / Order No. With Push-in connection PTRE 6-2/E7 — 3069451
A14 The VDE A14 version described here is suitable as a plug-in test system for three-stage automatic frequency discharge, as zero current comparison protection, and as stator and rotor ground fault protection.	Type / Order No. With Push-in connection PTWE 6-2/A14 — 3069439	Type / Order No. With Push-in connection PTRE 6-2/A14 — 3069452
B14 The VDE B14 version described here is suitable as a plug-in test system in overcurrent directional protection, distance protection for high and medium voltage, as well as voltage regulation.	Type / Order No. With Push-in connection PTWE 6-2/B14 — 3069440	Type / Order No. With Push-in connection PTRE 6-2/B14 — 3069453
C14 The VDE C14 version described here is suitable as a plug-in test system in overcurrent time protection, unbalanced load protection, and stator ground fault protection for busbar operation.	Type / Order No. With Push-in connection PTWE 6-2/C14 — 3069441	Type / Order No. With Push-in connection PTRE 6-2/C14 — 3069454

Plug-in test socket Wall mount		Plug-in test socket DIN rail mounting		Test plug		Blind plug	
							
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/A7	3069410	UTRE 6-2/A7	3069423	FTPR-2/A7	3069484	FBP-2/A7	3069497
				With standard handle			
				FTP-2/A7	3069470		
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/B7	3069411	UTRE 6-2/B7	3069424	FTPR-2/B7	3069485	FBP-2/B7	3069498
				With standard handle			
				FTP-2/B7	3069471		
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/E7	3069412	UTRE 6-2/E7	3069425	FTPR-2/E7	3069486	FBP-2/E7	3069499
				With standard handle			
				FTP-2/E7	3069472		
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/A14	3069413	UTRE 6-2/A14	3069426	FTPR-2/A14	3069487	FBP-2/A14	3069500
				With standard handle			
				FTP-2/A14	3069474		
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/B14	3069414	UTRE 6-2/B14	3069427	FTPR-2/B14	3069488	FBP-2/B14	3069501
				With standard handle			
				FTP-2/B14	3069475		
Type	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**	**Type**	**Order No.**
With screw connection		With screw connection		With rotary handle		Can be sealed	
UTWE 6-2/C14	3069415	UTRE 6-2/C14	3069428	FTPR-2/C14	3069489	FBP-2/C14	3069502
				With standard handle			
				FTP-2/C14	3069476		

Technical data can be found on pages 24 and 25 or in the product area on our website at phoenixcontact.net/products.
The plug-in test sockets and plugs of the VDE types are completely labeled and delivered preassembled with coding profile and test sockets (gray).

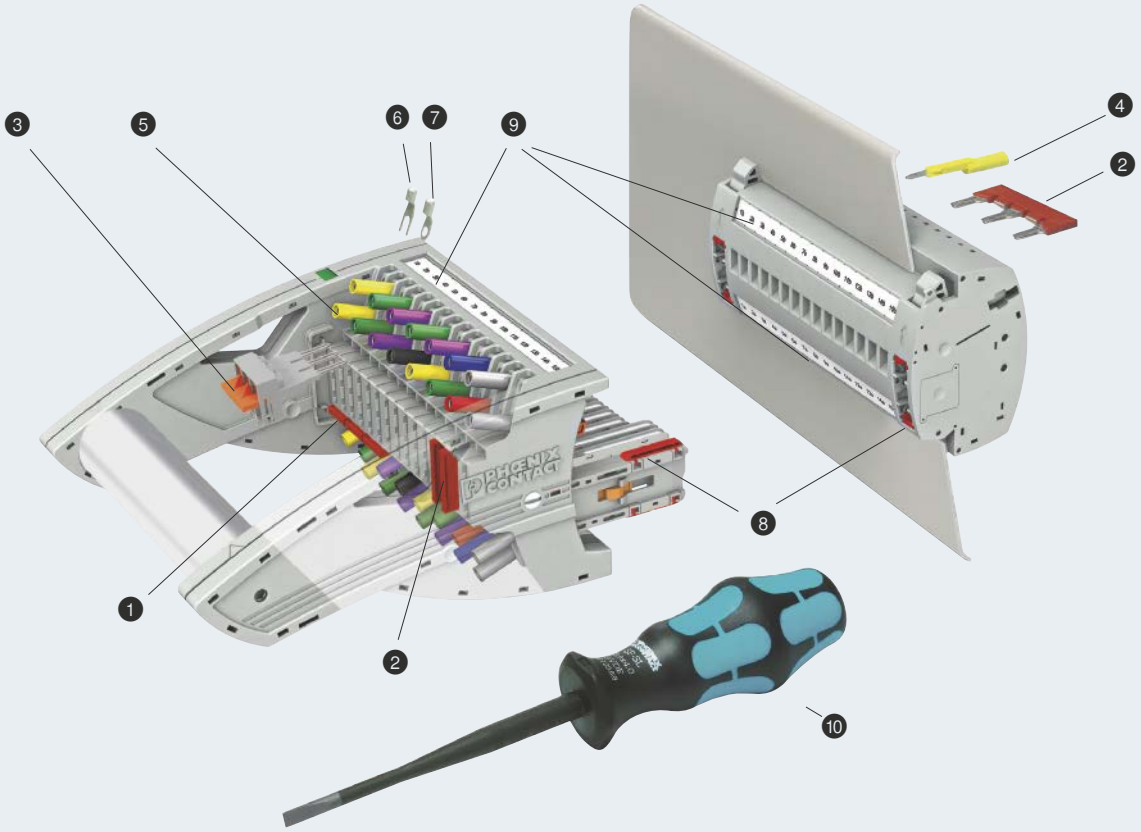
FAME 2: VDE versions, 19-pos.

VDE type	Plug-in test socket Wall mount	Plug-in test socket DIN rail mounting
		
B19 The VDE B19 version described here is suitable as a plug-in test system in distance protection for high voltage.	Type / Order No. With Push-in connection PTWE 6-2/B19 3069442	Type / Order No. With Push-in connection PTRE 6-2/B19 3069455
C19 The VDE C19 version described here is suitable as a plug-in test system in distance protection as system busbar protection, overcurrent directional protection, and current comparison protection for cables.	Type / Order No. With Push-in connection PTWE 6-2/C19 3069443	Type / Order No. With Push-in connection PTRE 6-2/C19 3069456
D19 The VDE D19 version described here is suitable as a plug-in test system for electromechanical differential protection for transformers.	Type / Order No. With Push-in connection PTWE 6-2/D19 3069444	Type / Order No. With Push-in connection PTRE 6-2/D19 3069457
F19 The VDE F19 version described here is suitable as a plug-in test system in electromechanical differential protection for transformers, generators, motors, and cables.	Type / Order No. With Push-in connection PTWE 6-2/F19 3069445	Type / Order No. With Push-in connection PTRE 6-2/F19 3069458
G19 The VDE G19 version described here is suitable as a plug-in test system in digital differential protection for transformers.	Type / Order No. With Push-in connection PTWE 6-2/G19 3069446	Type / Order No. With Push-in connection PTRE 6-2/G19 3069459
H19 The VDE H19 version described here is suitable as a plug-in test system in overcurrent directional protection and distance protection as system protection.	Type / Order No. With Push-in connection PTWE 6-2/H19 3069447	Type / Order No. With Push-in connection PTRE 6-2/H19 3069460
I19 The VDE I19 version described here is suitable as a plug-in test system in medium-voltage, outlet, and coupling protection, including selective ground fault detection.	Type / Order No. With Push-in connection PTWE 6-2/I19 3069448	Type / Order No. With Push-in connection PTRE 6-2/I19 3069461

Plug-in test socket Wall mount	Plug-in test socket DIN rail mounting	Test plug	Blind plug
			
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/B19 3069416	With screw connection UTRE 6-2/B19 3069429	With rotary handle FTPR-2/B19 3069490 With standard handle FTP-2/B19 3069477	Can be sealed FBP-2/B19 3069503
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/C19 3069417	With screw connection UTRE 6-2/C19 3069430	With rotary handle FTPR-2/C19 3069491 With standard handle FTP-2/C19 3069478	Can be sealed FBP-2/C19 3069504
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/D19 3069418	With screw connection UTRE 6-2/D19 3069431	With rotary handle FTPR-2/D19 3069492 With standard handle FTP-2/D19 3069479	Can be sealed FBP-2/D19 3069671
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/F19 3069419	With screw connection UTRE 6-2/F19 3069432	With rotary handle FTPR-2/F19 3069493 With standard handle FTP-2/F19 3069480	Can be sealed FBP-2/F19 3069675
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/G19 3069420	With screw connection UTRE 6-2/G19 3069433	With rotary handle FTPR-2/G19 3069494 With standard handle FTP-2/G19 3069481	Can be sealed FBP-2/G19 3069676
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/H19 3069421	With screw connection UTRE 6-2/H19 3069434	With rotary handle FTPR-2/H19 3069495 With standard handle FTP-2/H19 3069482	Can be sealed FBP-2/H19 3069677
Type / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**	**Type** / **Order No.**
With screw connection UTWE 6-2/I19 3069422	With screw connection UTRE 6-2/I19 3069435	With rotary handle FTPR-2/I19 3069496 With standard handle FTP-2/I19 3069483	Can be sealed FBP-2/I19 3069678

Technical data can be found on pages 24 and 25 or in the product area on our website at phoenixcontact.net/products.
The plug-in test sockets and plugs of the VDE types are completely labeled and delivered preassembled with coding profile and test sockets (gray).

FAME 2 accessories



1

Plug-in bridges for PTWE ..., PTRE ..., UTWE ..., UTRE ..., FTPR ..., FTP ...

2-pos.	3-pos.	4-pos.	5-pos.	6-pos.	10-pos.	16-pos.
FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 6-8 3032470	FBS 10-8 3030323	FBSR 16-8 3033816

2

Plug-in bridges for PTWE ..., PTRE ..., UTWE ..., UTRE ..., FTPR ..., FTP ..., pre-assembled and printer

3-pos. Pos. 1, 3	4-pos. Pos. 1, 4	5-pos. Pos. 1, 3, 5	10-pos. Pos. 1, 4, 7, 10	16-pos. Pos. 1, 6, 11, 16	16-pos. Pos. 1, 7, 13, 16
FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402	FBSR 1/6/11/16-8 3033820	FBSR 1/7/13/16-8 3033821

3

Bridge bars

2-pos.	3-pos.	4-pos.
SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589

Plug-in bridges for FTPR ..., FTP ..., with extraction tool [1)]

2-pos.	3-pos.	4-pos.
FBSRH 2-8 3033802	FBSRH 3-8 3033803	FBSRH 4-8 3033804

Shoulder bag, for FAME connectors

FAME-BAG 260 3069520

4

Plug-in test plug adapter for PTWE ..., PTRE ..., UTWE ..., UTRE ..., FTPR ..., FTP ..., 4 mm diameter

Orange	Yellow	Green	Violet	Black	Blue	Red	Gray	Brown
PAI-4-FIX OG 3034455	PAI-4-FIX YE 3032745	PAI-4-FIX GN 3032758	PAI-4-FIX VT 3032761	PAI-4-FIX BK 3032774	PAI-4-FIX BU 3032729	PAI-4-FIX RD 3032732	PAI-4-FIX GY 3032790	PAI-4-FIX BN 3032787

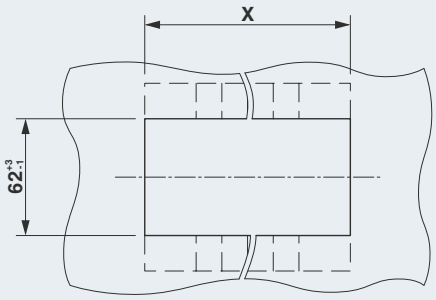
5

Screwable test sockets for FTPR ... FTP ..., 4 mm diameter

Clear	Yellow	Green	Violet	Black	Blue	Red	Gray	Brown	White
PSBJ-URTK 6 FARBLOS 3026450	PSBJ-URTK 6 YE 3026405	PSBJ-URTK 6 GN 3026418	PSBJ-URTK 6 VT 3026421	PSBJ-URTK 6 BK 3026447	PSBJ-URTK 6 BU 3026434	PSBJ-URTK 6 RD 3026719	PSBJ-URTK 6 GY 3026612	PSBJ-URTK 6 BN 3026971	PSBJ-URTK 6 WH 3026448

FAME 2 assembly instructions

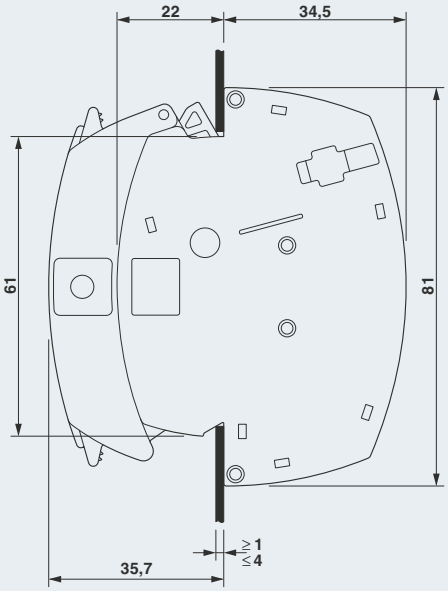
Panel cutout dimensions



Panel cutout

Cutout dimension	Housing panel thickness
X = number of positions x 8.2 mm + 33.1 mm	≥ 1 mm ≤ 4 mm

Side view dimensions



FAME 2 accessories

Cable lugs for use on screw test sockets FTPR ..., FTP ...

6 7

Fork-type cable lug, uninsulated	Fork-type cable lug, uninsulated	Fork-type cable lug, insulated	Fork-type cable lug, insulated	Ring cable lug, uninsulated	Ring cable lug, uninsulated	Ring cable lug, insulated	Ring cable lug, insulated
C-FC 1,5/M3 3240137	C-FC 2,5/M3 3240142	C-FCI 1,5/M3 3240032	C-FCI 2,5/M3 3240037	C-RC 1/M3 DIN 3240070	C-RC 2,5/M3 DIN 3240076	C-RCI 1,5/M3 3240016	C-RCI 2,5/M3 3240021

8

Coding profile

For PTWE ..., PTRE ..., UTWE ..., UTRE ...		For FTPR ..., FTP ...	
PC-UTWE-TRI	3069897	PC-FTP-TRI	3069898

9

Marking [2]

UC-TM 8, UCT-TM 8, TMT (EX9,5)R

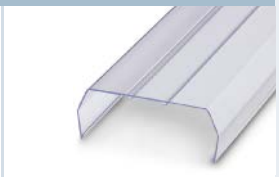
Cover profile for the bridge shaft in the test plug

For FTPR ..., FTP ...	
AP-FTP METER	3069899

Cover for plug-in test socket for DIN rail mounting

APH-ME	3034374
PTWE ..., PTRE ..., UTWE ..., UTRE ...	

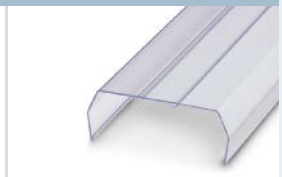
APT-ME	3034358
PTWE ..., PTRE ..., UTWE ..., UTRE ...	



AP-ME METER	3034361
PTWE ..., PTRE ... UTWE ..., UTRE ...	

Cover for plug-in test socket for wall mounting[3]

APH-UTWE 6-2	3069057
UTWE ...	



AP RSC-T	3059139
UTWE ...	

10

Screwdriver

Non-insulated		Insulated	
SF-SL 0,8X4,0-100	1212551	SF-SL 0,8X4,0-100 S-VDE	1212588

[1] See figure on page 18
[2] See catalog 3 and the product area on our website, phoenixcontact.net/products
[3] Control cabinet inside

FAME 3

Plug-in test system with operating plug, with plug-in test socket

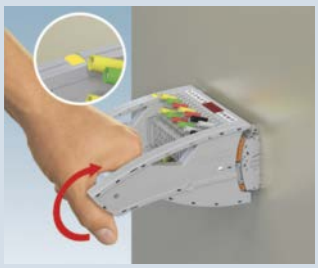
FAME 3 combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts in separate compact and space-saving blocks. The system operates according to the N/C contact principle. An operating plug is not required. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket.

Web code: #0999

Patented twist mechanism for controlled, safe switching

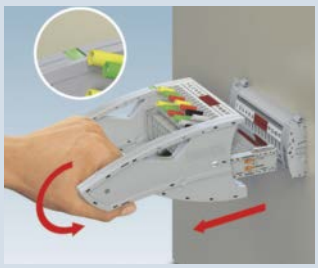
Step 1

Plug locked – transformer and signals short circuited or isolated safely.



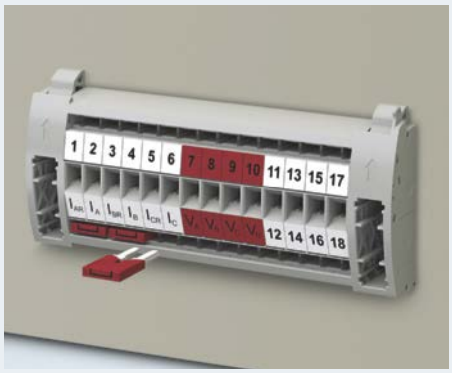
Step 2

Plug partially unlocked – transformer makes contact.



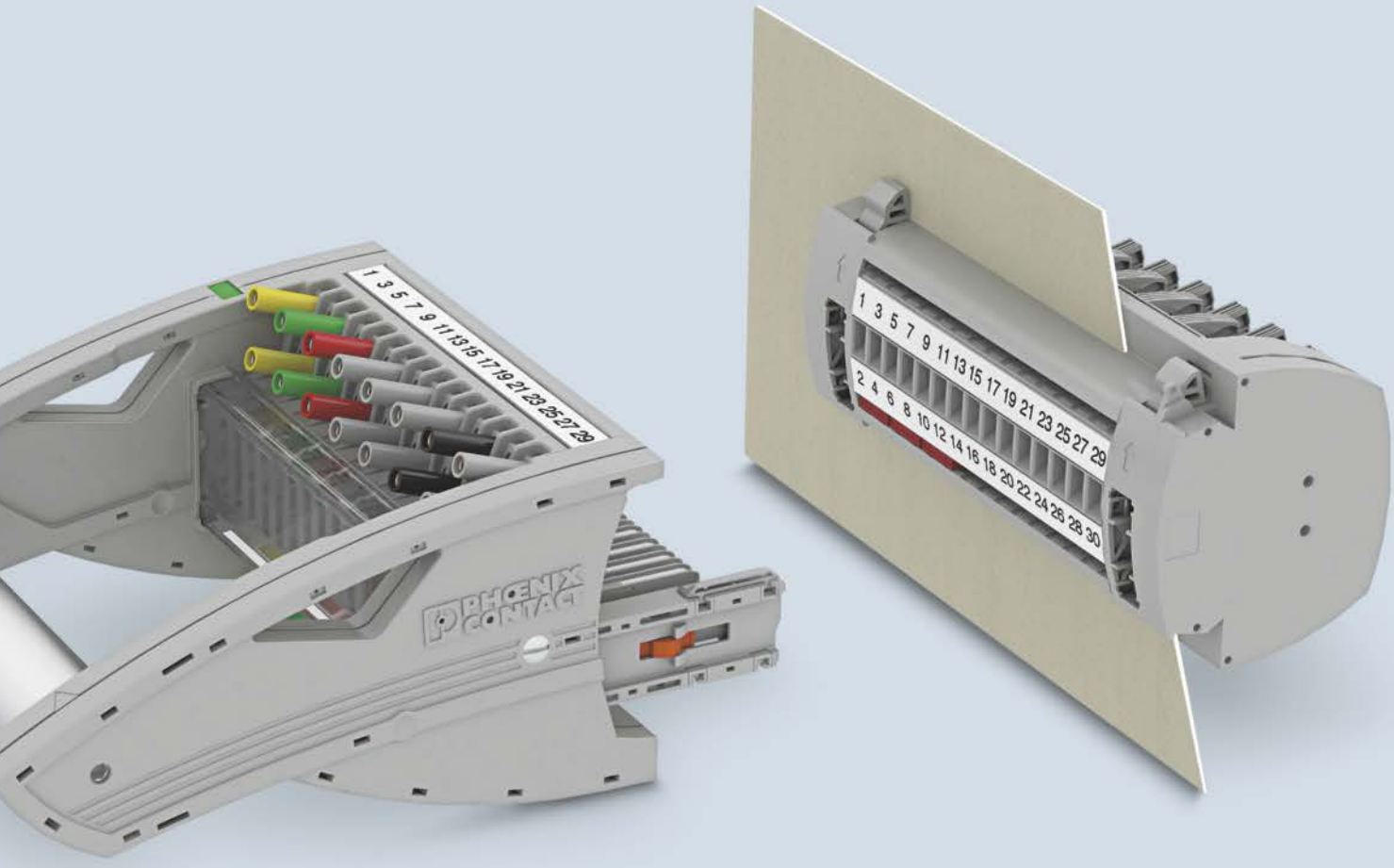
Step 3

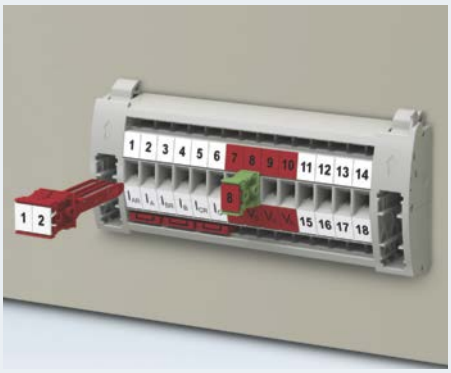
Plug fully unlocked – signal lines make contact.



Easy short circuit jumpering

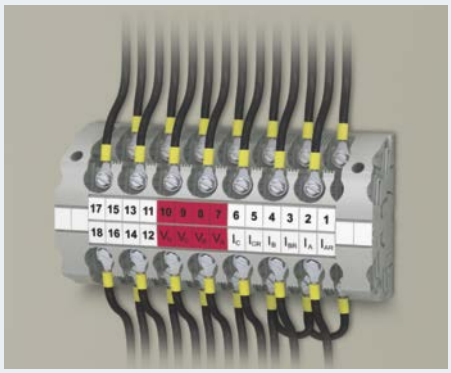
Automatic, leading transformer short circuit implemented with standard plug-in bridges in the plug-in test socket. Short circuit jumpers are designed to be touch-proof. Their positioning on the outside of the control cabinet is clearly visible.





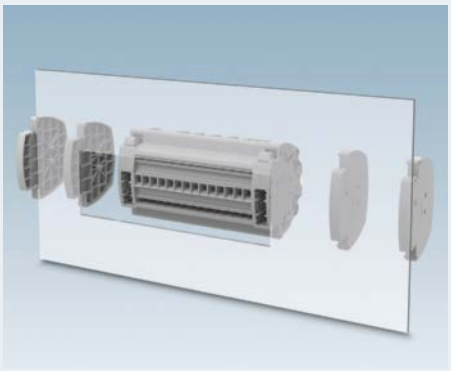
Interruption plug for special switching operations

Interruption plugs are available with varying numbers of positions for special switching operations. A sealable, transparent cover protects against unauthorized actuation.



Ring and fork-type cable lug connection

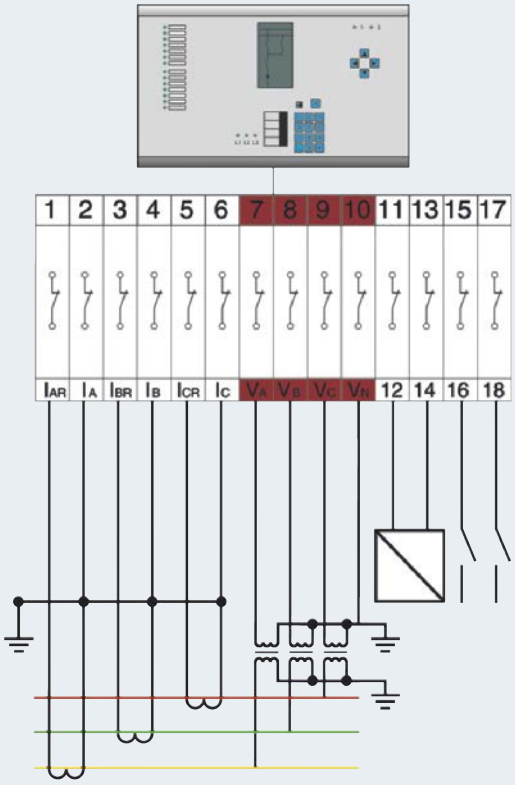
The plug-in test sockets feature screw connection technology for ring and fork-type cable lugs. Star point bridging is easily implemented by means of wire bridges on the inside of the control cabinet.



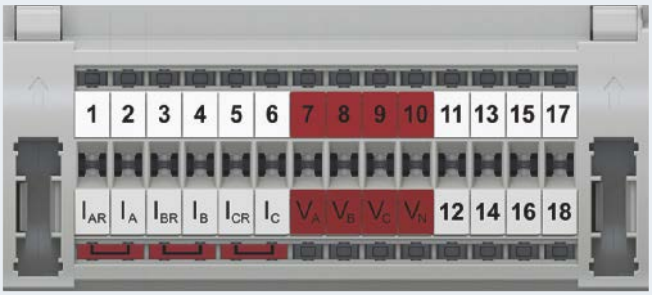
Compatible with the existing panel cutout

The plug-in test sockets can also be installed into existing panel cutouts by attaching optional leveling shims.

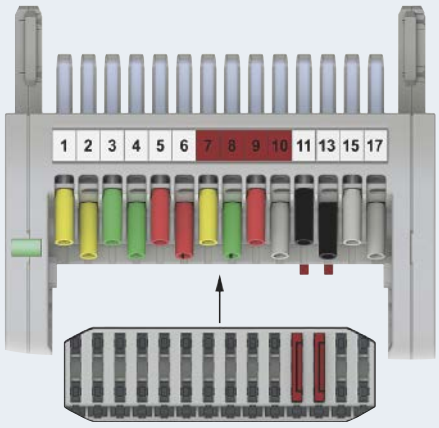
FAME 3: Mains protection: circuit with star point grounding in plug-in test socket



Plug-in test socket with current transformer, voltage transducer, and signals



Test plug with current transformer, voltage transducer, and signals



Plug-in test socket, blind plug

Order No.	Type	Required quantity
3969928	RSCWE 6-3/14	1
3069885	FBP-2/14	1

Plug-in bridge

3030284	FBS 2-8	3

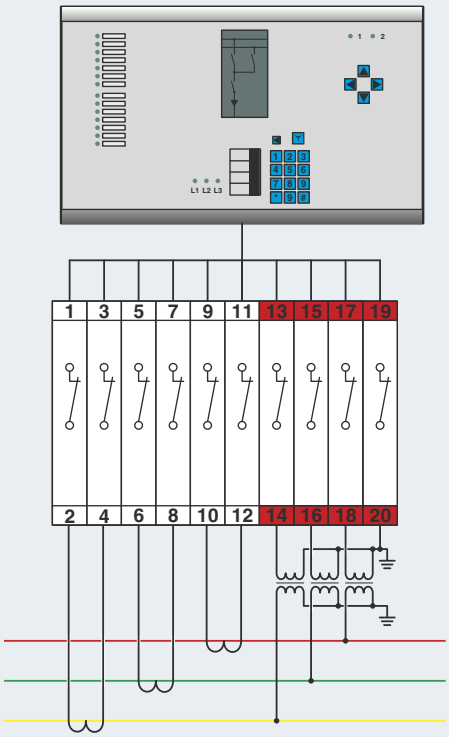
Test plug

	Order No.	Type	Required quantity
Rotary handle	3069957	FTPR-3/14S	1
Standard handle	3069953	FTP-3/14S	1

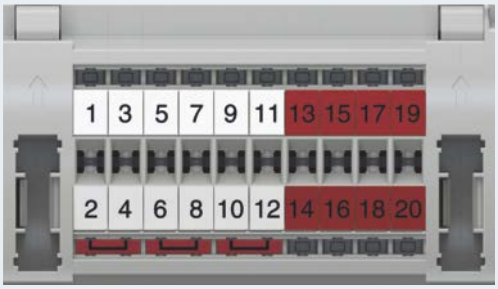
Plug-in bridge

	3030297	FBS 3-8	2

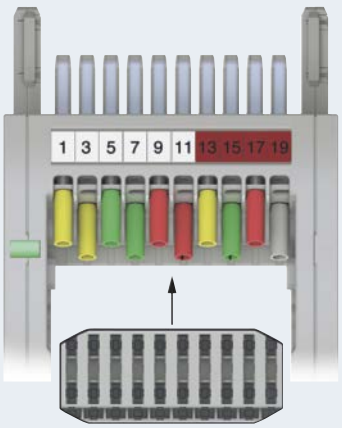
FAME 3: Mains protection: switching for current transformers and voltage transducers



Plug-in test socket with current transformer and voltage transducer



Test plug with current transformer and voltage transducer



Plug-in test socket, blind plug

Order No.	Type	Required quantity
3969926	RSCWE 6-3/10	1
3069881	FBP-2/10	1

Plug-in bridge

3030284	FBS 2-8	3

Test plug

	Order No.	Type	Required quantity
Rotary handle	3069955	FTPR-3/10S	1
Standard handle	3069951	FTP-3/10S	1

Technical data

Plug-in test socket

Maximum operating current/voltage	[A]/[V]	30 / 400[1])
Nominal current/cross section	[A]/[mm²]	24 / 6
Rated cross section	[mm²]	6
Rated surge voltage	[kV]	4
Test surge voltage	[kV]	5
Connection capacity DIN 46234		
Cable lugs DIN 46234	[mm²]	0.5 - 10
Connection bolt/hole diameter/width	[mm]	4.1/4.3/8
Connection capacity DIN 46237		
Cable lugs DIN 46234	[mm²]	0.5 - 10
Connection bolt/hole diameter/width	[mm]	4.1/4.3/8
Identification color: Red	[mm²]	1
Blue	[mm²]	2.5
Yellow	[mm²]	6
Stripping length	[mm]	12
Tightening torque ring cable lug connection	[Nm]	1.5 - 1.8
Wall fastening tightening torque	[Nm]	0.8 - 1
Wall thickness	[mm]	1 - 4
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Test plug

Maximum operating current/voltage	[A]/[V]	20 / 400[1])
Nominal current/cross section	[A]/[mm²]	20/2.5
Rated cross section	[mm²]	6
Stranded/AWG	[mm²]/—	0.5 - 2.5/20 - 14
Tightening torque: test socket screw	[Nm]	0.5 - 0.6
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Plug-in test socket

Wall mount

Number of positions	Color	Type	Order No.
2-pos.	Gray	RSCWE 6-3/2	3969917
3-pos.	Gray	RSCWE 6-3/3	3969918
4-pos.	Gray	RSCWE 6-3/4	3969920
5-pos.	Gray	RSCWE 6-3/5	3969921
6-pos.	Gray	RSCWE 6-3/6	3969922
7-pos.	Gray	RSCWE 6-3/7	3969923
8-pos.	Gray	RSCWE 6-3/8	3969924
9-pos.	Gray	RSCWE 6-3/9	3969925
10-pos.	Gray	RSCWE 6-3/10	3969926
11-pos.	Gray	RSCWE 6-3/11	3969915
12-pos.	Gray	RSCWE 6-3/12	3969927
13-pos.	Gray	RSCWE 6-3/13	3969916
14-pos.	Gray	RSCWE 6-3/14	3969928
3 x 10-pos.	Gray	RSCWE 6-3/3X10	3969929

Covering hood

Number of positions	Color	Type	Order No.
2-pos.	Gray	FBP-3/2 TR	3069926
3-pos.	Gray	FBP-3/3 TR	3069927
4-pos.	Gray	FBP-3/4 TR	3069922
5-pos.	Gray	FBP-3/5 TR	3069928
6-pos.	Gray	FBP-3/6 TR	3069929
7-pos.	Gray	FBP-3/7 TR	3069945
8-pos.	Gray	FBP-3/8 TR	3069946
9-pos.	Gray	FBP-3/8 TR	3069947
10-pos.	Gray	FBP-3/10 TR	3069924
11-pos.	Gray	FBP-3/11 TR	3069948
12-pos.	Gray	FBP-3/12 TR	3069923
13-pos.	Gray	FBP-3/13 TR	3069934
14-pos.	Gray	FBP-3/14 TR	3069925

FAME 3

Test plug[2)]
Rotary handle

Type	Order No.
FTPR-3/4S	3069954
FTPR-3/5S	3069965
FTPR-3/6S	3069966
FTPR-3/7S	3069967
FTPR-3/8S	3069968
FTPR-3/9S	3069969
FTPR-3/10S	3069955
FTPR-3/11S	3069970
FTPR-3/12S	3069956
FTPR-3/13S	3069971
FTPR-3/14S	3069957

Test plug[2)]
Standard handle

Type	Order No.
FTP-3/4S	3069950
FTP-3/5S	3069958
FTP-3/6S	3069959
FTP-3/7S	3069960
FTP-3/8S	3069961
FTP-3/9S	3069962
FTP-3/10S	3069951
FTP-3/11S	3069963
FTP-3/12S	3069952
FTP-3/13S	3069964
FTP-3/14S	3069953

Compact test plug

Type	Order No.
FTPC-3/4S	3069930
FTPC-3/5S	3069935
FTPC-3/6S	3069936
FTPC-3/7S	3069937
FTPC-3/8S	3069938
FTPC-3/9S	3069939
FTPC-3/10S	3069931
FTPC-3/11S	3069940
FTPC-3/12S	3069933
FTPC-3/13S	3069941
FTPC-3/14S	3069932

Blind plug

Type	Order No.
FBP-2/4	3069875
FBP-2/5	3069876
FBP-2/6	3069877
FBP-2/7	3069878
FBP-2/8	3069879
FBP-2/9	3069880
FBP-2/10	3069881
FBP-2/11	3069882
FBP-2/12	3069883
FBP-2/13	3069884
FBP-2/14	3069885

Test plug[2)]
For individual testing

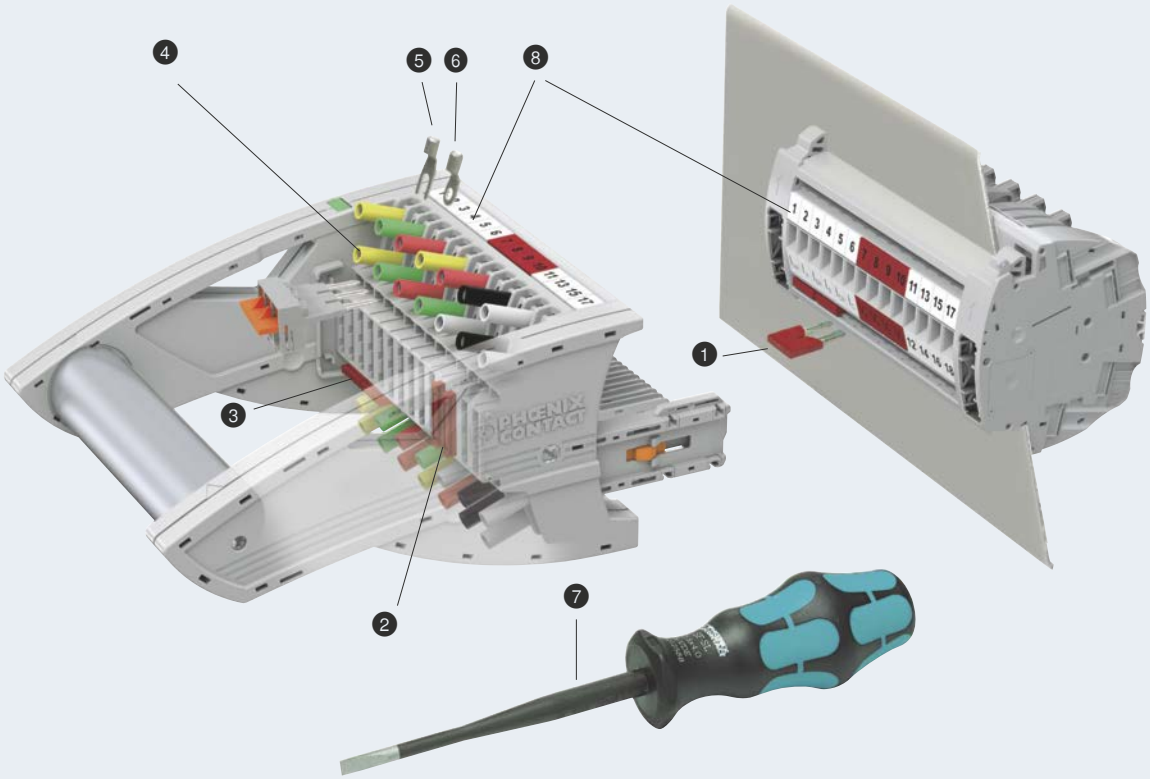
Number of positions	Color	Type	Order No.
1-pos.	Red	FTP-2/1 SERVICE	3069469
1-pos.	Green		
2-pos.	Red		
3-pos.	Red		
4-pos.	Red		

Interruption plug

Type	Order No.
FIP-3/1 SERVICE	3069921
FIP-3/2 SERVICE	3069920
FIP-3/3 SERVICE	3069312
FIP-3/4 SERVICE	3069313

[1)] Rated surge voltage 5 kV.
[2)] With mounted test socket screws.
Other numbers of positions are available on request.

FAME 3 accessories



1

Plug-in bridges for RSCWE ...

2-pos.	3-pos.	4-pos.	5-pos.	6-pos.	10-pos.	16-pos.
FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 6-8 3032470	FBS 10-8 3030323	FBSR 16-8 3033816

2

Plug-in bridges for RSCWE ..., pre-assembled and printed

3-pos. Pos. 1, 3	4-pos. Pos. 1, 4	5-pos. Pos. 1, 3, 5	10-pos. Pos. 1, 4, 7, 10	16-pos. Pos. 1, 6, 11, 16	16-pos. Pos. 1, 7, 13, 16
FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402	FBSR 1/6/11/16-8 3033820	FBSR 1/7/13/16-8 3033821

3

Bridge bars

2-pos.	3-pos.	4-pos.
SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589

Plug-in bridges for FTPR ..., FTP ..., with extraction tool [1)]

2-pos.	3-pos.	4-pos.
FBSRH 2-8 3033802	FBSRH 3-8 3033803	FBSRH 4-8 3033804

4

Screwable test sockets for FTPR ... FTP ..., 4 mm diameter

Clear	Yellow	Green	Violet	Black	Blue	Red	Gray	Brown
PSBJ-URTK 6 FARBLOS 3026450	PSBJ-URTK 6 YE 3026405	PSBJ-URTK 6 GN 3026418	PSBJ-URTK 6 VT 3026421	PSBJ-URTK 6 BK 3026447	PSBJ-URTK 6 BU 3026434	PSBJ-URTK 6 RD 3026719	PSBJ-URTK 6 GY 3026612	PSBJ-URTK 6 BN 3026971

Cable lugs for use on screw test sockets FTPR ..., FTP ...

5

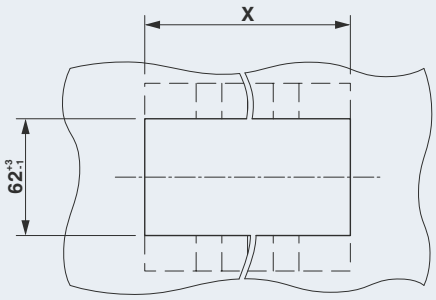
Fork-type cable lug, uninsulated	Fork-type cable lug, uninsulated	Fork-type cable lug, insulated	Fork-type cable lug, insulated
C-FC 1,5/M3 3240137	C-FC 2,5/M3 3240142	C-FCI 1,5/M3 3240032	C-FCI 2,5/M3 3240037

6

Ring cable lug, uninsulated	Ring cable lug, uninsulated	Ring cable lug, insulated	Ring cable lug, insulated
C-RC 1/M3 DIN 3240070	C-RC 2,5/M3 DIN 3240076	C-RCI 1,5/M3 3240016	C-RCI 2,5/M3 3240021

FAME 3 assembly instructions

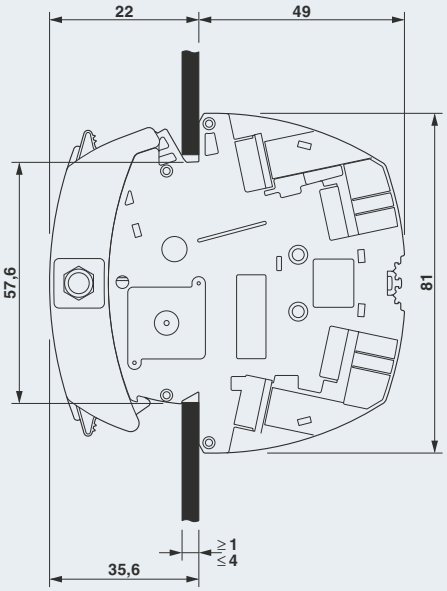
Panel cutout dimensions



Panel cutout

Cutout dimension	Housing panel thickness
X = number of positions x 8.2 mm + 33.1 mm	≥ 1 mm ≤ 4 mm

Side view dimensions



FAME 3 accessories

❼

Screwdriver

Non-insulated		Insulated	
SF-SL 0,8X4,0-100	1212551	SF-SL 0,8X4,0-100 S-VDE	1212588

❽

Marking [2]

UC-TM 8, UCT-TM 8, TMT (EX9,5)R

Cover profile for the bridge shaft in the test plug

For FTPR ..., FTP ...	
AP-FTP METER	3069899

Cover for plug-in test socket for wall mounting [3]

APH-RSCWE 6-3 CARRIER 3069058	AP RSC-T 3059139	AP-ME METER 3034361
RSCWE ...	RSCWE ...	RSCWE ...

Shoulder bag, for FAME connectors

FAME-BAG 260 3069520

[1]) See figure on page 18
[2]) See catalog 3 and the product area on our website, phoenixcontact.net/products
[3]) Control cabinet inside

ME test disconnect terminal blocks
Flexible for all transformer test wiring

The new test disconnect terminal blocks can be used to design space-saving and modular switchgears. Feed-through and PE terminal blocks of the same shape are also available for the test disconnect terminal blocks. The patented short circuit plug is particularly user-friendly and safe: it protects measuring transducers against damage by means of automatic short circuit. The CLIP PROJECT planning software provides you with quick and convenient support for planning and configuring your terminal strips.

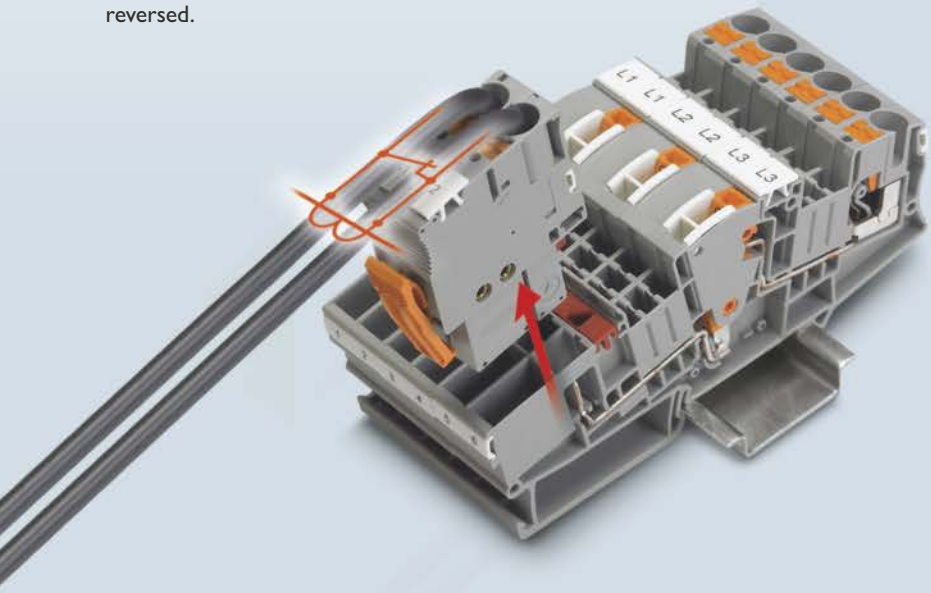
Unlimited flexibility

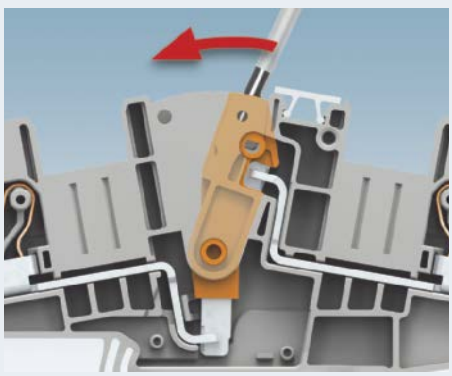
The triple function shaft on both sides of the longitudinal disconnect point enables the individual placement of bridging, testing, and switching accessories. Non-adjacent jumpers allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.

Web code: #1095

Automatic short circuiting

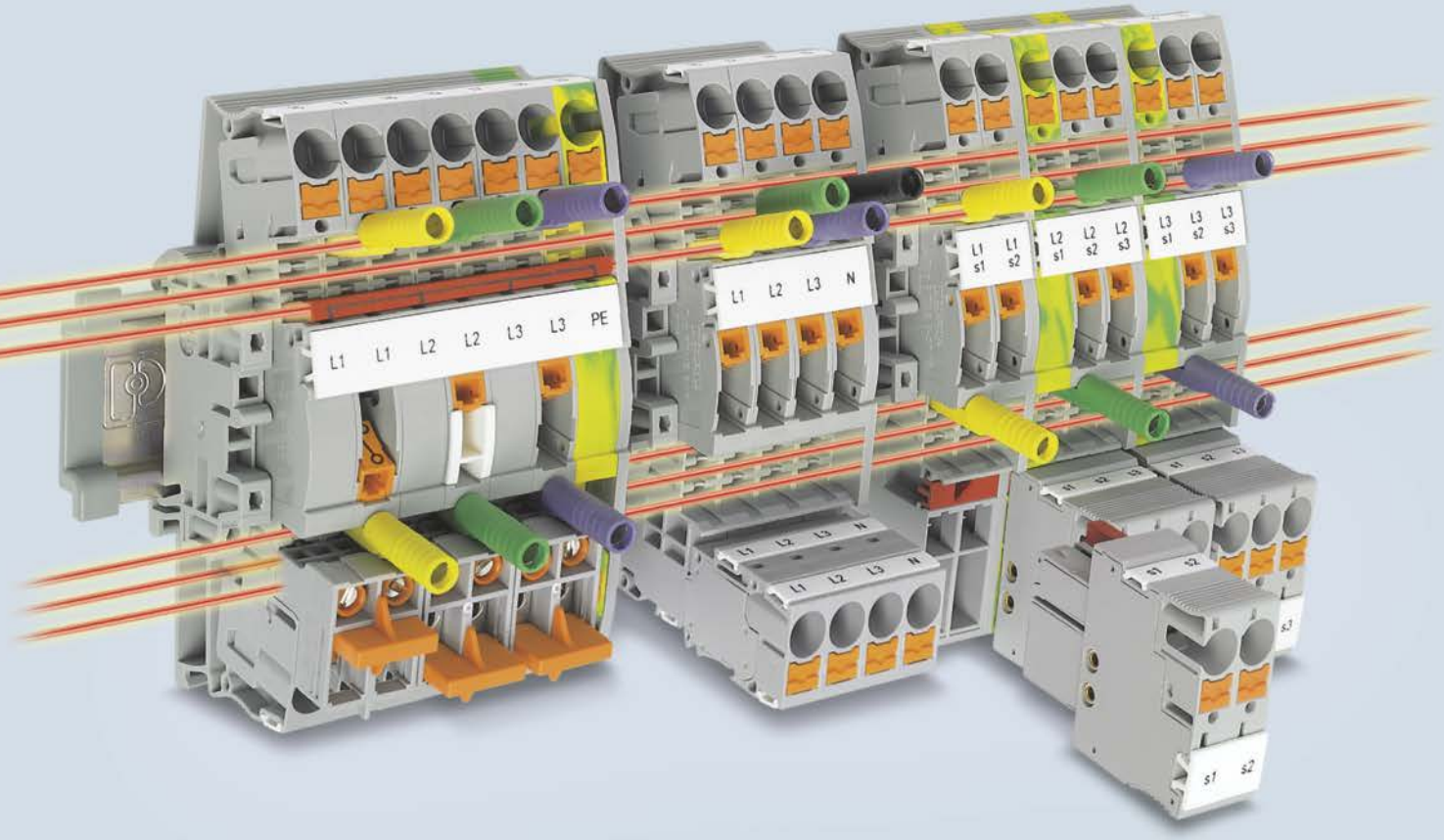
The plug-in current transformer disconnect terminal blocks also enable the safe plug-in wiring of current transformers. When you remove the transformer plug, a leading current transformer short circuit is automatically ensured. Additional coding accessories prevent the plug's polarity from being reversed.

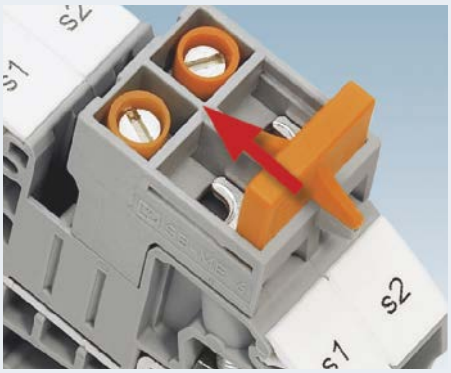




Easy and safe isolation

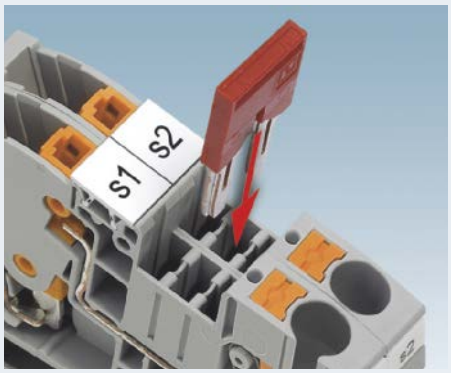
The section disconnector reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview inside the measuring transducer terminal strip.





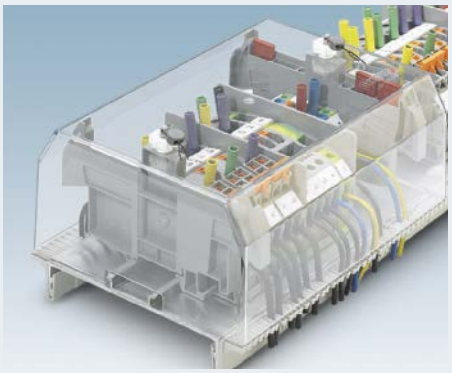
Safe short circuiting with bridge bars

The plug-in current transformer short circuit jumpers can be used individually, based on the switching task, in the terminal block function shafts.
The bridge bar disconnect element is operated with a screwdriver, which ensures that the switching operation is only ever activated intentionally.



Safe short circuiting with jumpers

The current transformer short circuit can be easily implemented using standard FBS ... jumpers. Bridge versions FBSRH ..., with molded extraction tool, are available with 2, 3 or 4 positions.

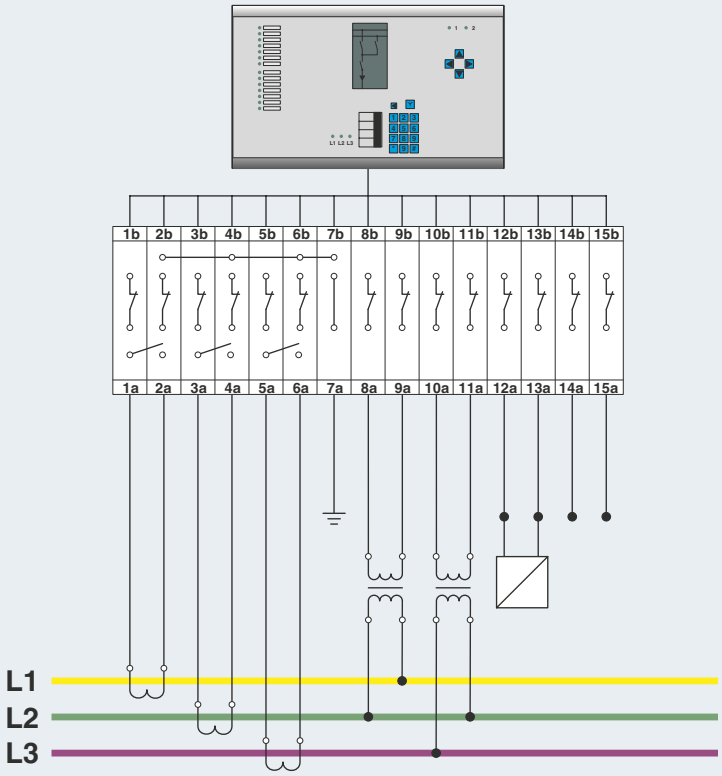


Safe covering

Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on measuring transducer strips as protection against external influences and tampering.

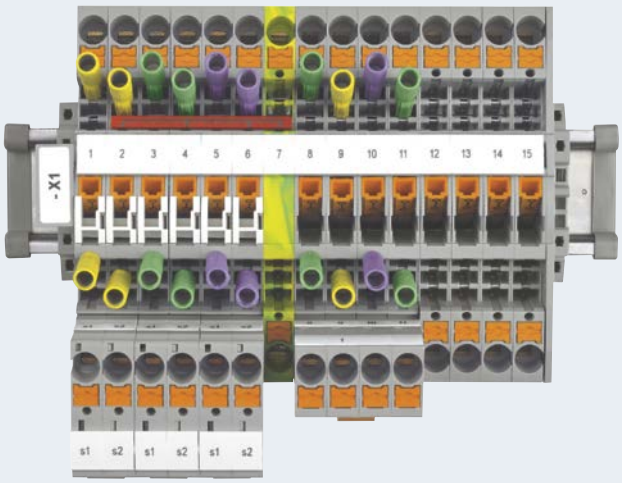
Mains protection: circuit diagram with star point grounding in the terminal strip

CLIP PROJECT
The planning and marking software provides you with quick and convenient support for planning and configuring your terminal strips.



Terminal strip with current transformer, voltage transformer, signal and trigger contacts

Design:
Example with Push-in connection. Test disconnect terminal blocks PTME 6. The measuring transducer connectors are designed pluggable. Current transformers with automatic leading short circuit function in the plug.



Terminals

Order No.	Type	Required quantity
3212170	PTME 6	4
3212196	PTMED 6-PE	1
3212300	PTME 6-CT/1P	6
3212306	PTME 6/1P	4

Test adapters

Order No.	Type	Required quantity
3032745	PAI-4-FIX YE	6
3032758	PAI-4-FIX GN	8
3032761	PAI-4-FIX VT	6

Plug and latching

Order No.	Type	Required quantity
3212304	PPCT 6/2	3
3061596	PP-H 6/4	1
3040630	PR/2	4

Cover

3034426	D-DTME 6	1

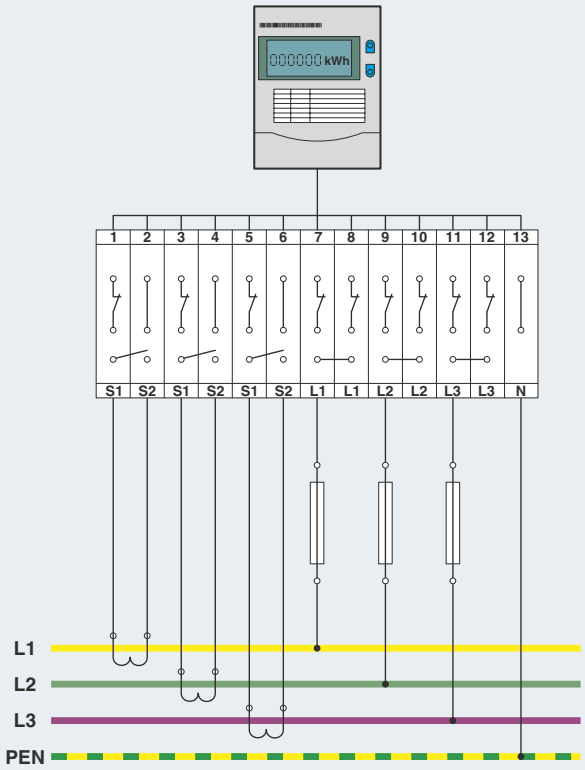
Switching lock

3034439	S-ME 6	6

Plug-in bridge

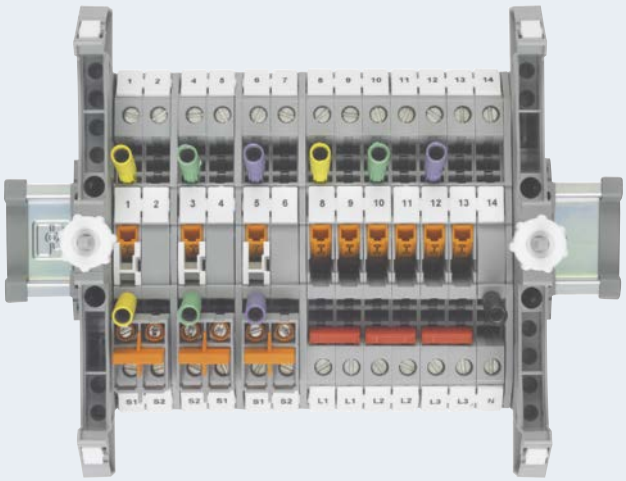
3032470	FBS 6-8	1

Counter connection: circuit example with current transformer and voltage paths



PACT current transformers
The current transformer family with variable mounting for measuring high currents up to 4000 A is available in different accuracy classes.

Terminal strip with current transformer and voltage paths



Design:
Example with screw connection. UTME 6 test disconnect terminal blocks. Bridge bars are integrated for current transformer short circuiting. The terminal strip can be protected and sealed with cover profile and brackets.

Terminals

Order No.	Type	Required quantity
3047400	UTME 6	9
3047413	UTMED 6	4

Test adapters

Order No.	Type	Required quantity
3032745	PAI-4-FIX YE	3
3032758	PAI-4-FIX GN	3
3032761	PAI-4-FIX VT	3
3032774	PAI-4-FIX BK	1

Plug-in bridges and bridge bars

Order No.	Type	Required quantity
3000587	SB-MER 2-8	3
3030284	FBS 2-8	3

Cover

3047426	D-UTME 6	4

Switching lock

3034439	S-ME 6	3

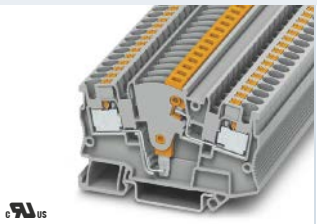
Cover profile carrier

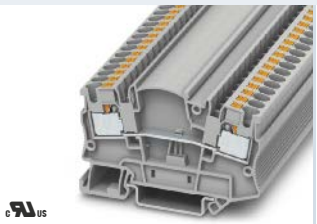
3034374	APH-ME	2

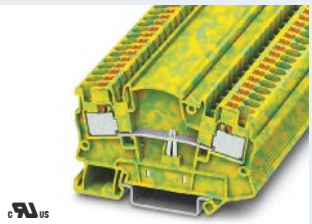
The cover profile 3034361 AP-ME METER can be found on page 50.

ME test disconnect terminal blocks

Push-in connection technology 4 mm²

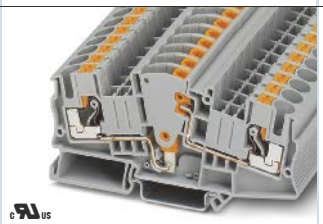


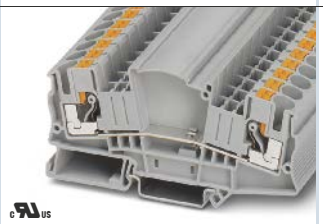


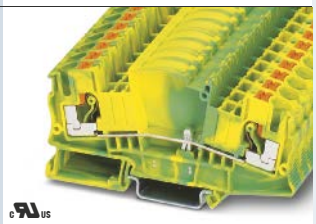


Type	Order No.	PTME 4	3212139	PTMED 4	3212141	PTMED 4-PE	3212154
Width/length/height	[mm]	6.2/70.5/49.5		6.2/70.5/49.5		6.2/70.5/49.5	
Current/voltage							
IEC // UL	[A] / [V]	24 / 500 // 26 / 300		32 / 500 // 26 / 300		- / - // - / -	
Solid/AWG	[mm²]/–	0.2 - 6/24 - 10		0.2 - 6/24 - 10		0.2 - 6/24 - 10	
Stranded/AWG	[mm²] /–	0.2 - 4/24 - 12		0.2 - 4/24 - 12		0.2 - 4/24 - 12	
Stranded with ferrule/AWG	[mm²]/–	0.25 - 4/24 - 12		0.25 - 4/24 - 12		0.25 - 4/24 - 12	
Can be plugged in directly solid	[mm²]	0.5 - 6		0.5 - 6		0.5 - 6	

Push-in connection technology 6 mm²

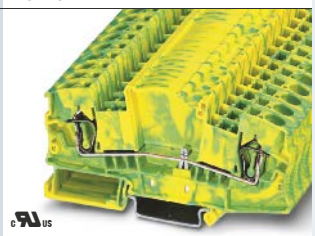






Type	Order No.	PTME 6 PTME 6 HV[2)] PTME 6 HV BU[2)]	3212170 3035696 3035695	PTMED 6	3212183	PTMED 6-PE	3212196
Width/length/height	[mm]	8.2/100.8/49.6		8.2/100.8/49.6		8.2/100.8/49.6	
Current/voltage							
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		41/1000 // 30/600		-/- // -/-	
Solid/AWG	[mm²]/–	0.5 - 10 / 20 - 8		0.5 - 10/20 - 8		0.5 - 10/20 - 8	
Stranded/AWG	[mm²]/–	0.5 - 6/20 - 10		0.5 - 6/20 - 10		0.5 - 6/20 - 10	
Stranded with ferrule/AWG	[mm²]/–	0.5 - 6/20 - 10		0.5 - 6/20 - 10		0.5 - 6/20 - 10	
Can be plugged in directly solid	[mm²]	1.0 - 10		1.0 - 10		1.0 - 10	

Spring-cage connection technology



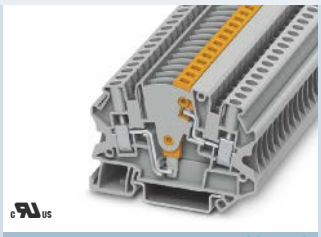
Type	Order No.	STME 6 STME 6 HV[1)] STME 6 HV BU[1)]	3035700 3035693 3035694	STMED 6	3035713	STMED 6-PE	3035726
Width/length/height	[mm]	8.2/100.8/49.6		8.2/100.8/49.6		8.2/100.8/49.6	
Current/voltage							
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		41 / 1000 // 30 / 600		- / - // - / -	
Solid/AWG	[mm²]/–	0.2 - 10/24 - 8		0.2 - 10/24 - 8		0.2 - 10/24 - 8	
Stranded/AWG	[mm²]/–	0.2 - 6/24 - 10		0.2 - 6/24 - 10		0.2 - 6/24 - 10	
Stranded with ferrule/AWG	[mm²]/–	0.25 - 6/24 - 10		0.25 - 6/24 - 10		0.25 - 6/24 - 10	
2 conductors with TWIN ferrule	[mm²]	0.5 - 1.5		0.5 - 1.5		0.5 - 1.5	

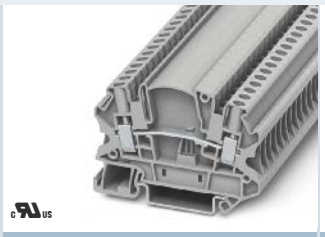
Web code: #1095

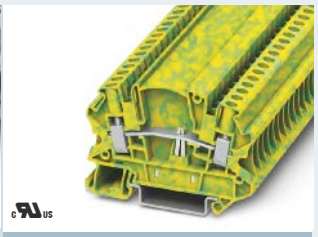
Detailed information and the entire product range of the test disconnect terminal blocks is also available at phoenixcontact.net/webcode.

ME test disconnect terminal blocks

Screw connection technology 4 mm²

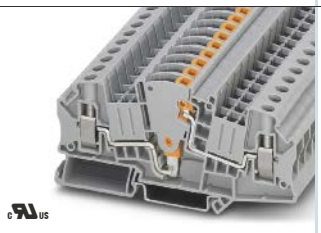


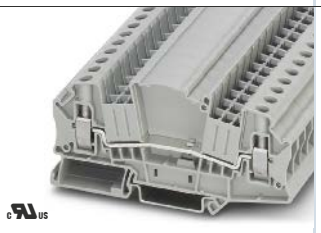


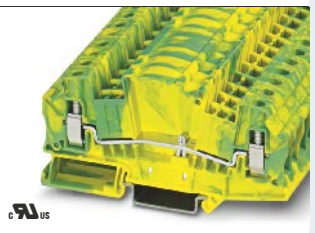


Type	Order No.	UTME 4 UTME 4-P/P UTME 4-P/P BU	3047452 3047453 3047454	UTMED 4	3047465	UTMED 4-PE	3047478
Width/length/height	[mm]	6.2/66/47.7		6.2/66/47.7		6.2/66/47.7	
Current/voltage							
IEC // UL	[A] / [V]	28 / 500 // 25 / 600		32 / 500 // 25 / 600		- / - // - / -	
Solid/AWG	[mm²]/–	0.14 - 6/26 - 10		0.14 - 6/26 - 10		0.14 - 6/26 - 10	
Stranded/AWG	[mm²]/–	0.14 - 6/26 - 10		0.14 - 6/26 - 10		0.14 - 6/26 - 10	
Stranded with ferrule/AWG	[mm²]/–	0.14 - 4/26 - 12		0.14 - 4/26 - 12		0.14 - 4/26 - 12	
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.14 - 1.5/0.14 - 1.5		0.14 - 1.5/0.14 - 1.5		0.14 - 1.5/0.14 - 1.5	

Screw connection technology 6 mm²

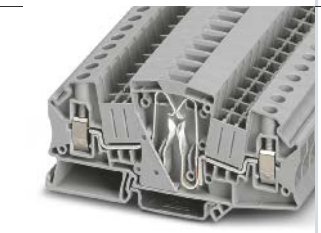






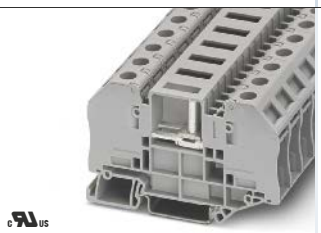
Type	Order No.	UTME 6	3047400	UTMED 6	3047413	UTMED 6-PE	3047442
Width/length/height	[mm]	8.2/100.8/49.6		8.2/100.8/49.6		8.2/100.8/49.6	
Current/voltage							
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		41 / 500 // 30 / 600		- / - // - / -	
Solid/AWG	[mm²]/–	0.2 - 10/24 - 8		0.2 - 10/24 - 8		0.2 - 10/24 - 8	
Stranded/AWG	[mm²]/–	0.2 - 10/24 - 8		0.2 - 10/24 - 8		0.2 - 10/24 - 8	
Stranded with ferrule/AWG	[mm²]/–	0.25 - 6/24 - 10		0.25 - 6/24 - 10		0.25 - 6/24 - 10	
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.2 - 2.5/0.2 - 2.5		0.2 - 2.5/0.2 - 2.5		0.2 - 2.5/0.2 - 2.5	

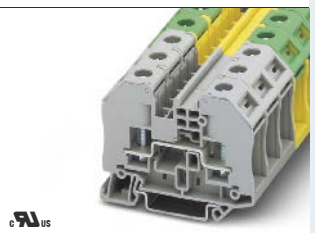
Screw connection technology 6 mm²
Longitudinal disconnection with interruption plug



Type	Order No.	UTME 6-SD	3047420	FIP-3/1 SERVICE	3069921	FIP-3/2 SERVICE FIP-3/3 SERVICE FIP-3/4 SERVICE	3069920 3069312 3069313
Width/length/height	[mm]	8.2/100.8/49.6		-		-	
Current/voltage				-		-	
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		-		-	
Solid/AWG	[mm²]/–	0.2 - 10/24 - 8		-		-	
Stranded/AWG	[mm²]/–	0.2 - 10/24 - 8		-		-	
Stranded with ferrule/AWG	[mm²]/–	0.25 - 6/24 - 10		-		-	
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.2 - 2.5/0.2 - 2.5		-		-	

Bolt connection technology 6 mm²





Type	Order No.	RT 4-T-P/P	3000565	RT 5-T	3049039	RT 5 RT 5 BU RT 5-PE	3049026 3049123 3049424
Width/length/height	[mm]	12.3/82.4/51		16.3/91.4/51		16.3/66.0/51	
Current/voltage							
IEC // UL	[A] / [V]	41 / 500 [2]) // 30 / 600		41 / 1000 [2]) // 30 / 600		41 / 1000 // 30 / 600	
Stranded/AWG	[mm²]/–	0.1 - 6/26 - 10		0.1 - 6/26 - 10		0.1 - 6/26 - 10	
Ring cable lug DIN 46234 // DIN 46237							
Connection bolt/hole diameter/width	[mm]	5/5.3/10 // 5/5.3/10		5/5.3/10 // 5/5.3/10		5/5.3/10 // 5/5.3/10	

[1]) IEC 1000 V

[2]) Rated voltage for open disconnect point 500 V.

UT-COMBI screw connection terminal blocks 4 mm²

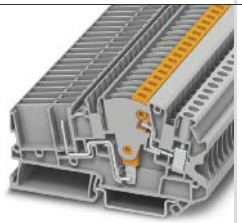
Plug-in connection

Technical data		UTME 4/1P 3057416	Horizontal conductor connection	Vertical conductor connection
Width/length/height	[mm]	6.2/71.7/49.5	-	-
Current/voltage		28 / 500		
IEC // UL	[A]/[V]	28 / 500 // 25 / 600	32 / 800 // 30 / 600	32 / 800 // 30 / 600
Solid/AWG	[mm²]/–	0.14 - 6/26 - 10	0.14 - 6/26 - 10	0.14 - 6/26 - 10
Stranded/AWG	[mm²]/–	0.14 - 4/26 - 10	0.14 - 6/26 - 10	0.14 - 6/26 - 10
Stranded with ferrule/AWG	[mm²]/–	0.14 - 4/26 - 10	0.14 - 4/26 - 10	0.14 - 4/26 - 10
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.14 - 1.5/0.14 - 1.5	0.14 - 1.5/0.14 - 1.5	0.14 - 1.5/0.14 - 1.5

Number of positions	Color		Type	Order No.	Type	Order No.
1-pos.	Gray		UPBV 4/1[1])	3045800	UP 4/1[1])	3060115
2-pos.	Gray		UPBV 4/2	3045813	UP 4/2	3060128
3-pos.	Gray		UPBV 4/3	3045826	UP 4/3	3060131
4-pos.	Gray		UPBV 4/4	3045839	UP 4/4	3060144
5-pos.	Gray		UPBV 4/5	3045842	UP 4/5	3060157
6-pos.	Gray		UPBV 4/6	3045855	UP 4/6	3060160
7-pos.	Gray		UPBV 4/7	3045868	UP 4/7	3060173
8-pos.	Gray		UPBV 4/8	3045871	UP 4/8	3060186
9-pos.	Gray		UPBV 4/9	3045884	UP 4/9	3060199
10-pos.	Gray		UPBV 4/10	3045897	UP 4/10	3060209
11-pos.	Gray		UPBV 4/11	3045907	UP 4/11	3060212
12-pos.	Gray		UPBV 4/12	3045910	UP 4/12	3060225
13-pos.	Gray		UPBV 4/13	3045923	UP 4/13	3060238
14-pos.	Gray		UPBV 4/14	3045936	UP 4/14	3060241
15-pos.	Gray		UPBV 4/15	3045949	UP 4/15	3060254
1-pos.	blue		UPBV 4/1 BU	3045266	UP 4/1 BU	3045282
1-pos.	Green-yellow		UPBV 4/1 GNYE	3045279	UP 4/1 GNYE	3045295

UT-COMBI screw connection terminal blocks 4 mm²

Plug-in connection, with automatic short circuit function



Type	Order No.	UTME 4-CT/1P 3057432	2-pos. and 3-pos. connectors
			UPCT 4/2 3057461
			UPCT 4/3 3057458
Width/length/height	[mm]	6.2/86.5/49.5	-
Current/voltage			
IEC // UL	[A] / [V]	28 / 500 // 25 / 600	20 / 320 // 25 / 300
Solid/AWG	[mm²]/–	0.14 - 6/26 - 10	0.14 - 6/26 - 10
Stranded/AWG	[mm²]/–	0.14 - 4/ 26 - 10	0.14 - 6/26 - 10
Stranded with ferrule/AWG	[mm²]/–	0.14 - 4/26 - 10	0.14 - 4/26 - 12
2 conductors (of the same type) solid/stranded	[mm²]/[mm²]	0.14 - 1.5/0.14 - 1.5	0.14 - 1.5/0.14 - 1.5

Accessories for connectors

	Coding set	Strain relief	Latching and strain relief	Latching
UPBV ...	PC 3040588	PZ/2 3040627	PRZ 3040614	PR/2 3040630
UP ...	PC 3040588	UPZ/2 3045554	UPRZ 3045570	UPR/2 3045567
UPCT 4/2	PC-CT/2 3032855	PZ/2 3040627	PRZ 3040614	PR/2 3040630
UPCT 4/3	PC-CT/3 3032868	PZ/2 3040627	PRZ 3040614	PR/2 3040630

ME test disconnect terminal blocks

PT-COMBI Push-in connection terminal blocks 6 mm²

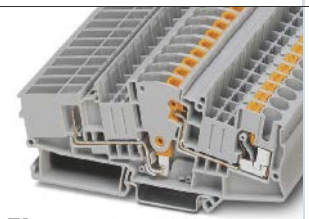
Plug-in connection

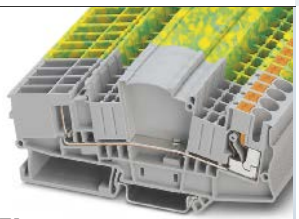
Type	Order No.	PTME 6/1P	3212306	Vertical conductor connection
Width/length/height	[mm]	8.2/99.4/49.6		-
Current/voltage				
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		41 / 1000 // 40 / 600
Solid/AWG	[mm²]/–	0.5 - 10/20 - 8		0.5 - 10/20 - 8
Stranded/AWG	[mm²]/–	0.5 - 6/20 - 8		0.5 - 6/20 - 8
Stranded with ferrule/AWG	[mm²]/–	0.5 - 6/20 - 8		0.5 - 6/20 - 8
Can be plugged in directly solid	[mm²]	1.0 - 10		1.0 - 10

Number of positions	Color	Type	Order No.
1-pos.	Gray	PP-H 6/1[1)]	3061541
2-pos.	Gray	PP-H 6/2	3061570
3-pos.	Gray	PP-H 6/3	3061583
4-pos.	Gray	PP-H 6/4	3061596
5-pos.	Gray	PP-H 6/5	3061606
6-pos.	Gray	PP-H 6/6	3061619
7-pos.	Gray	PP-H 6/7	3061622
8-pos.	Gray	PP-H 6/8	3061635
9-pos.	Gray	PP-H 6/9	3061648
10-pos.	Gray	PP-H 6/10	3061651
1-pos.	blue	PP-H 6/1 BU	3061554
1-pos.	Green-yellow	PP-H 6/1 GNYE	3061567

PT-COMBI Push-in connection terminal blocks 6 mm²

Plug-in connection, with automatic short circuit function





Type	Order No.	PTME 6-CT/1P	3212300	PTMED 6-CT/1P PTMED 6-CT/1P-PE	3212301 3212302	2-pos. and 3-pos. connectors PPCT 6/2 PPCT 6/3	 3212304 3212305
Width/length/height	[mm]	8.2/114.9/49.6		8.2/114.9/49.6		-	
Current/voltage							
IEC // UL	[A] / [V]	30 / 500 // 30 / 600		30 / 500 // 30 / 600		20 / 320 // 30 / 600	
Solid/AWG	[mm²]/–	0.5 - 10/20 - 8		0.5 - 10/20 - 8		0.5 - 10/20 - 8	
Stranded/AWG	[mm²]/–	0.5 - 6/20 - 8		0.5 - 6/20 - 8		0.5 - 6/20 - 10	
Stranded with ferrule/AWG	[mm²]/–	0.5 - 6/20 - 8		0.5 - 6/20 - 8		0.5 - 6/20 - 10	
Can be plugged in directly solid	[mm²]	1.0 - 10		1.0 - 10		1.0 - 10	

Accessories for connectors

	Coding set		Strain relief		Latching and strain relief		Latching	
PP-H 6 ...	PC	3040588	PZ/2	3040627	PRZ	3040614	PR/2	3040630
PPCT 6/2	PC-CT 6/2	3212308	PZ/2	3040627	PRZ	3040614	PR/2	3040630
PPCT 6/3	PC-CT 6/3	3212309	PZ/2	3040627	PRZ	3040614	PR/2	3040630

[1)] Derating curve available on request.

Additional accessories, such as cable housing, can be found at phoenixcontact.net/products.

ME test disconnect terminal blocks accessories

	Mounting material	Type	Order No.
6	**35 x 7.5 mm DIN rail** galvanized and thick layer passivated Unperforated Perforated	 **NS 35/7,5 UNPERF 2000 MM** **NS 35/7,5 PERF 2000 MM**	 0801681 0801733
7	**Terminal strip marker carriers**, adjustable height, for CLIPFIX 35-5, can be marked with label	**KLM 3** **KLM 3-L**	0811969 0814788
8	**Separating plate,** with storage option for plug-in bridges FBS ...-8 and FBSRH ...-8	**CARRIER 35-8**	3034387
9	**Screwdriver**	**SF-SL 0,6X3,5-100 S-VDE**	1212587
10	**Quick mounting end bracket,** with park option for FBS ...-6 Width/Length/Height 5 mm/48.5 mm/35 mm	**CLIPFIX 35-5**	3022276
11	**DIN rail connection piece,** for DIN rail NS 35/7,5 for DIN rail NS 35/15	 **NS 35/7,5 CAP** **NS 35/15 CAP**	 1206560 1206573
12	**Cover profile,** length: 1 m	**AP-ME METER**	3034361
	Covering hood[1]	**AH-ME** **AH-ME 145X150X80** **AH-ME 115X150X80** **AH-ME 200X150X78**	3240265 3240266 3240267 3240268
13	**Cover profile carrier**, sealable, for AP-ME cover profile	**APH-ME**	3034374
14	**Cover profile carrier,** for AP-ME	**APT-ME**	3034358
15	**Switching lock,** plug-in, for PTME 4, UTME 4, UTME 4/1P and UMTE 4-CT/1P for UTME 6, STME 6, PTME 6 for RT 5-T	 **S-ME 4** **S-ME 6** **S-RT 5-T**	 3035758 3034439 3049330

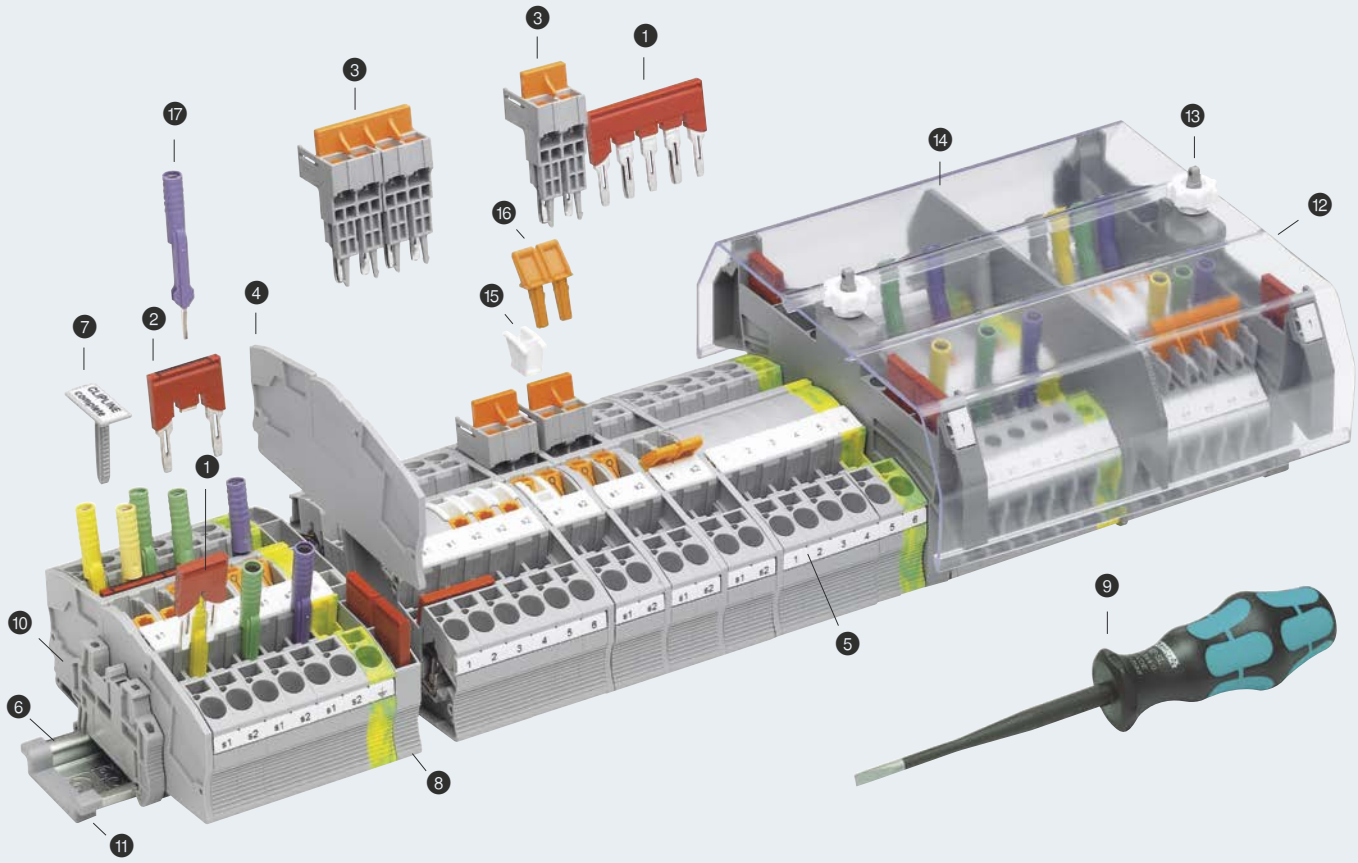
	Mounting material		Type	Order No.
16	**Operating lever,** for actuating test disconnect terminal blocks, for PTME 4, UTME 4, UTME 4/1P, UTME 4-CT/1P	2-pos. 3-pos.	**C-ME 4/2** **C-ME 4/3**	3035759 3035760
	for UTME 6, STME 6, PTME 6	1-pos. 2-pos. 3-pos.	**C-ME 6/1** **C-ME 6/2** **C-ME 6/3**	3034441 3034442 3034390
17	**Test adapter,** for UTME 6, STME 6, PTME 6, RT 5-T	Orange Yellow Green Violet Black Blue Red Gray Brown White	**PAI-4-FIX OG** **PAI-4-FIX YE** **PAI-4-FIX GN** **PAI-4-FIX VT** **PAI-4-FIX BK** **PAI-4-FIX BU** **PAI-4-FIX RD** **PAI-4-FIX GY** **PAI-4-FIX BN** **PAI-4-FIX WH**	3034455 3032745 3032758 3032761 3032774 3032729 3032732 3032790 3032787 3032797
17	**Test adapter,** for PTME(D) 4, UTME(D) 4... and RT 4-T-P/P	Orange Yellow Green Violet Black Blue Red Gray Brown White	**PAI-4-FIX-5/6 OG** **PAI-4-FIX-5/6 YE** **PAI-4-FIX-5/6 GN** **PAI-4-FIX-5/6 VT** **PAI-4-FIX-5/6 BK** **PAI-4-FIX-5/6 BU** **PAI-4-FIX-5/6 RD** **PAI-4-FIX-5/6 GY** **PAI-4-FIX-5/6 BN** **PAI-4-FIX-5/6 WH**	3035974 3035977 3035978 3035979 3035980 3035975 3035976 3035982 3035981 3035983
	Plug-in bridges with molded extraction tool[2], for UTME 4, PTME 4, RT 4	2-pos.	**FBSRH 2-6**	3033812
	for UTME 6, STME 6, PTME 6, RT 5	2-pos. 3-pos. 4-pos.	**FBSRH 2-8** **FBSRH 3-8** **FBSRH 4-8**	3033802 3033803 3033804

[1]) The figure can be found on page 43 and in the product area on the website.
[2]) The figure can be found on page 18.

Terminal block	1 Bridges						2 Pre-assembled jumpers				
	2-pos.	3-pos.	4-pos.	5-pos.	10-pos.	$I_{max.}$	3-pos. Position 1	4-pos. Position 1	5-pos. Position 1	5-pos. Position 1, 3	10-pos. Position 1, 4, 7
PTME ... 4 ...	FBS 2-6 3030336	FBS 3-6 3030242	FBS 4-6 3030255	FBS 5-6 3030349	FBS 10-6 3030271	32 A	FBS 1/3-6 3032321	FBS 1/4-6 3032512	FBS 1/5-6 3032525	FBS 1/3/5-6 3002741	FBS 1/4/7/10-6 3030383
PTME ... 6 ...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	41 A	FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/5-8 3032381	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
PTME ... 6/1P	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	41 A	FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/5-8 3032381	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
PTME 6-CT/1P-PE	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	–	FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/5-8 3032381	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
UTME ... 4 ...	FBS 2-6 3030336	FBS 3-6 3030242	FBS 4-6 3030255	FBS 5-6 3030349	FBS 10-6 3030271	32 A	FBS 1/3-6 3032321	FBS 1/4-6 3032512	FBS 1/5-6 3032525	FBS 1/3/5-6 3002741	FBS 1/4/7/10-6 3030383
UTME 4/1P	FBS 2-6 3030336	FBS 3-6 3030242	FBS 4-6 3030255	FBS 5-6 3030349	FBS 10-6 3030271	32 A	FBS 1/3-6 3032321	FBS 1/4-6 3032512	FBS 1/5-6 3032525	FBS 1/3/5-6 3002741	FBS 1/4/7/10-6 3030383
UTME 4-CT/1P	FBS 2-6 3030336	FBS 3-6 3030242	FBS 4-6 3030255	FBS 5-6 3030349	FBS 10-6 3030271	32 A	FBS 1/3-6 3032321	FBS 1/4-6 3032512	FBS 1/5-6 3032525	FBS 1/3/5-6 3002741	FBS 1/4/7/10-6 3030383
UTME ... 6 ...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	41 A	FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/5-8 3032381	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
STME ... 6 ...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	41 A	FBS 1/3-8 3032363	FBS 1/4-8 3032376	FBS 1/5-8 3032381	FBS 1/3/5-8 3032389	FBS 1/4/7/10-8 3032402
RT 4-T-P/P	FBS 2-6 3030336	FBS 3-6 3030242	FBS 4-6 3030255	FBS 5-6 3030349	FBS 10-6 3030271	32 A	–	–	–	–	–
RT ... 5...	FBS 2-8 3030284	FBS 3-8 3030297	FBS 4-8 3030307	FBS 5-8 3030310	FBS 10-8 3030323	41 A	–	–	–	–	–

Additional bridges and numbers of positions can be found in catalog 1 or the product area on our website at phoenixcontact.net/products.

ME test disconnect terminal blocks accessories



3					4	5	
	Bridge bars[3)]				Cover	Marking	
$I_{max.}$	2-pos.	3-pos.	4-pos.	$I_{max.}$		Center groove	Center and lateral groove
–	SB-ME 2-6 3035755	SB-ME 3-6 3035756	SB-ME 4-6 3035757	25 A	D-PTME 4 3212167	UC-TM 6 0818085	UC-TMF 6 0818140
41 A	SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589	25 A	D-DTME 6 3034426	UC-TM 8 0818072	UC-TMF 8 0818137
41 A	SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589	25 A	D-PTME 6/1P 3212307	UC-TM 8 0818072	UC-TMF 8 0818137
41 A	–	–	–	–	D-PTME 6-CT/1P 3212303	UC-TM 8 0818072	UC-TMF 8 0818137
–	SB-ME 2-6 3035755	SB-ME 3-6 3035756	SB-ME 4-6 3035757	25 A	D-UTME 4 3047491	–	UC-TM 6 0818085
–	SB-ME 2-6 3035755	SB-ME 3-6 3035756	SB-ME 4-6 3035757	25 A	D-UTME 4/1P 3057429	–	UC-TM 6 0818085
–	–	–	–	–	D-UTME 4-CT/1P 3057445	–	UC-TM 6 0818085
41 A	SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589	25 A	D-UTME 6 3047426	UC-TM 8 0818072	UC-TMF 8 0818137
41 A	SB-MER 2-8 3000587	SB-MER 3-8 3000588	SB-MER 4-8 3000589	25 A	D-DTME 6 3034426	UC-TM 8 0818072	UC-TMF 8 0818137
–	SB-ME 2-6 3035755	–	–	25 A	D-RT 4-T 3000606	UC-TM 8 0818072	UC-TMF 8 0818137
–	SB-MER 2-8 3000587	–	–	25 A	D-RT 5-T 3049291	UC-TM 12 0819194	UC-TM 12 0819194

[3)] Additional bridge bars can be found in catalog 1 or in the product area on our website at phoenixcontact.net/products.

In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 15,000 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.

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IC06-14.000.L3
MNR 52005521/2017-04-01/02

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