

Sector-specific solutions

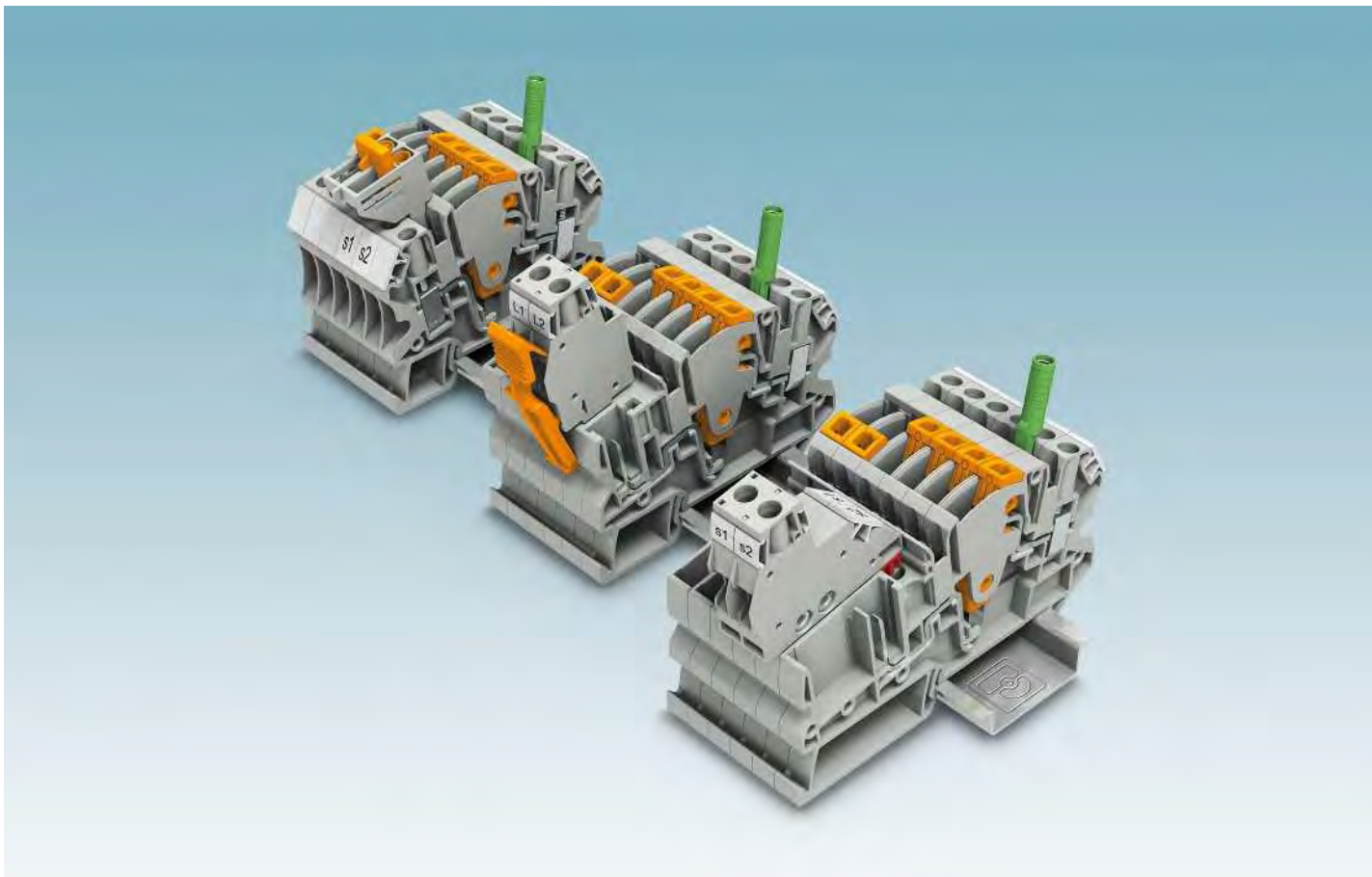
With CLIPLINE complete, the right terminal block system is available for every industry. The various connection technologies cover the requirements of all applications and uses. Numerous international approvals and comprehensive standard tests ensure safe usage in all branches of industry. Special requirements, such as those affecting the rail industry, shipbuilding or explosion-protected areas in process technology and process engineering, are also taken into account.

We also offer innovative solutions for industry-specific requirements, such as:

- Modular products with system accessories for current transformer test circuits in energy technology
- Marshalling terminals for space-saving, clear wiring in process technology
- Tailor-made solutions to satisfy the requirements of photovoltaics and building installation

Product range overview

Solutions for protection and control engineering	608
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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 modular terminal blocks, the test disconnect terminal blocks are an integral part of the Phoenix Contact product portfolio.

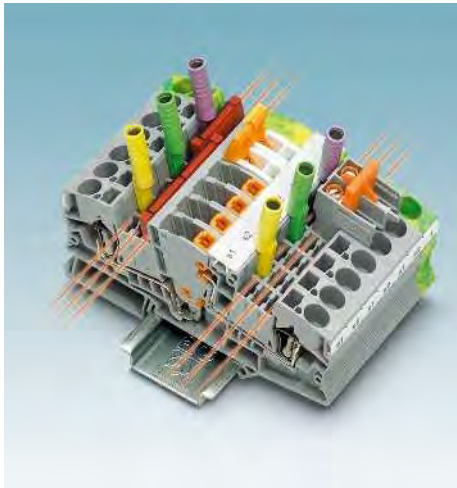
The new ME series test disconnect terminal blocks from the CLIPLINE complete system enable the easy and individual structuring of measuring transducer sets. The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution can be placed within the terminal strip in accordance with the application. All switching statuses within the terminal strip are clearly visible.

Consistent use of plug-in CLIPLINE complete system accessories helps to reduce mounting and storage costs. This series is also available with Push-in, spring-cage, and screw-connection technology. The current and voltage transformers are particularly easy to wire thanks to the plug-in measuring transducer disconnect terminal blocks. When the patented current transformer plugs are removed, an automatically leading short circuit is ensured. Use of appropriate coding and strain relief accessories also allows the modular and plug-in connection of measuring transducers.

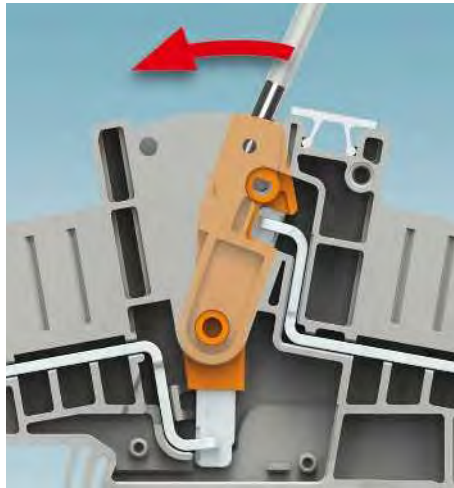
This means that these test disconnect terminal blocks are ideally suited to control and measuring technology – from the counter (smart metering) right through to the secondary technology of switchgear and power stations.

The measuring transducer disconnect terminal blocks can be found in the relevant sections on the respective connection technologies.

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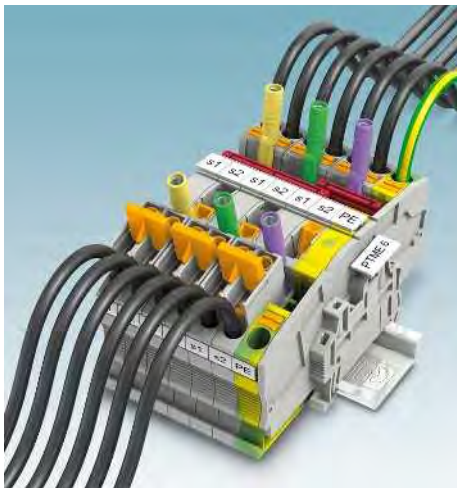
The triple function shaft on both sides of the longitudinal disconnect point enables the manual placement of bridging, testing, and switching accessories. Non-adjacent plug-in bridges allow the star point to be formed conveniently within the terminal strip, without the need for additional wire bridges.



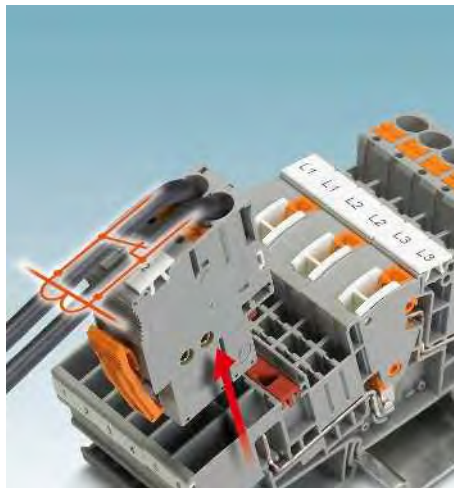
The lengthwise disconnecter reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview within the measuring transducer terminal strip.



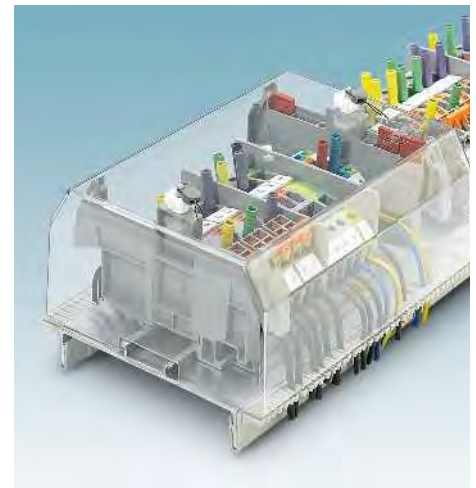
The plug-in current transformer short-circuit bridges can be used individually, based on the switching task, in the function shafts of the terminal blocks. The switching bridge disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



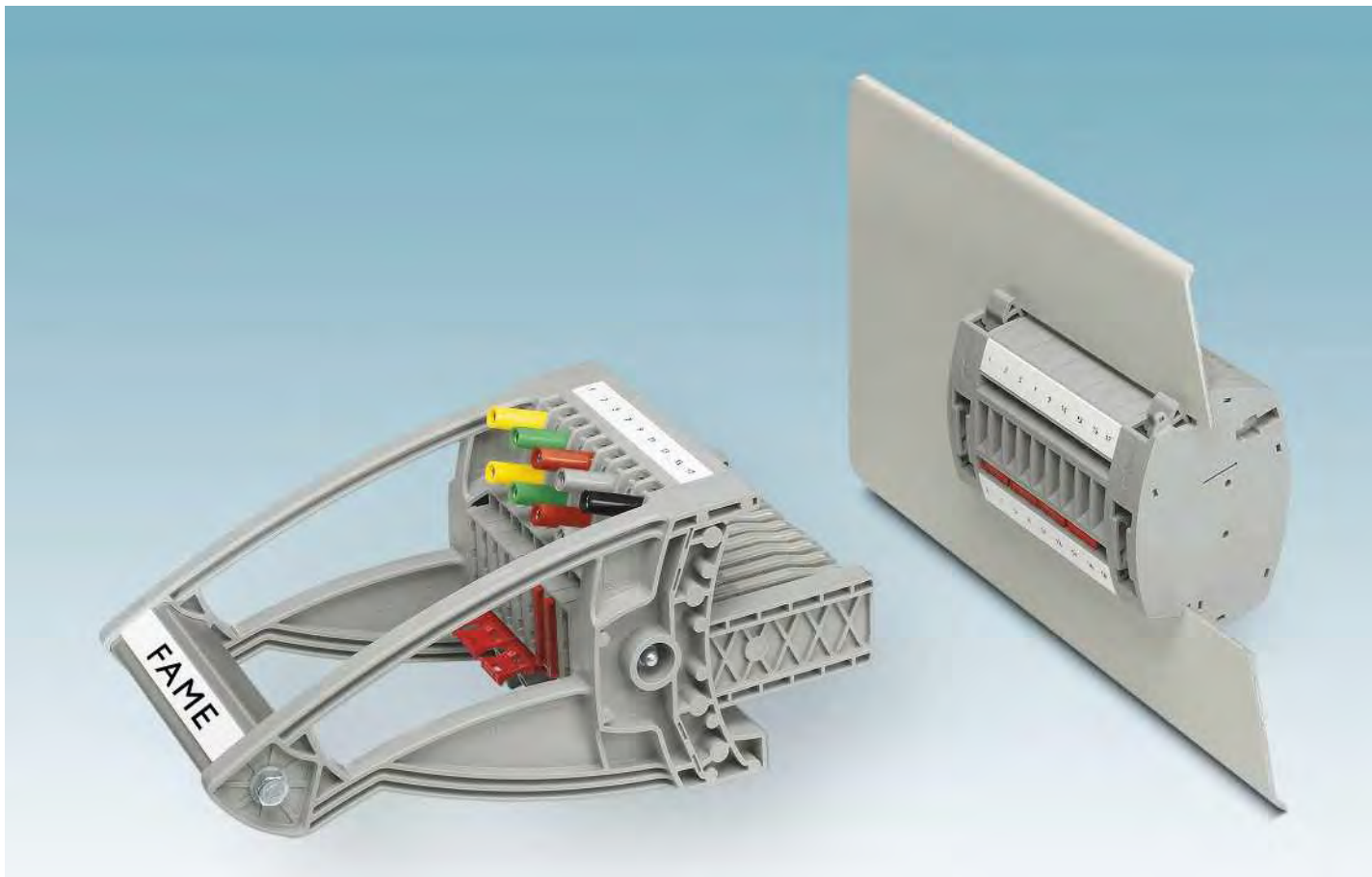
Feed-through and PE terminal blocks of the same shape are also available for the measuring transducer disconnect terminal blocks. They simplify the addition of attachments to the terminal strip and also enable convenient star point grounding within the terminal strip.



The plug-in current transformer disconnect terminal blocks and plugs also enable the safe plug-in wiring of current transformers. When the transformer plug is removed, a leading current transformer short circuit is automatically ensured. Additional encoding accessories prevent the polarity of the plug from being reversed.



Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on the measuring transducer strip in a way which protects them against external influences and manipulation.



FAME 1 combines complex switching operations for function tests of current and voltage transformers, 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 test disconnect socket.

Measuring transducer disconnect terminal blocks are specifically tailored to the test circuits in current and voltage transformer secondary circuits. Manual switching operations short circuit current transformers prior to measurements being taken.

The FAME test disconnect system represents the further development of these switchable terminal blocks. FAME is the innovative test disconnect system for all measuring and testing tasks in network protection technology for medium and high-voltage switchgear. The system consists of a test disconnect socket built into the control cabinet panel and the associated operating and test plugs. With this 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. Thanks to its modular, configurable design, FAME is a flexible system which can be used to implement different number of positions. This means that the right solution is available for every circuit diagram.

The FAME test disconnect system is designed for touch proofness for the IP20 degree of protection. Wall mounting enables installation in the control cabinet door. This allows tests to be carried out without having to access the inside of the control cabinet (wiring level), which eliminates the possibility of modifications or manipulation.

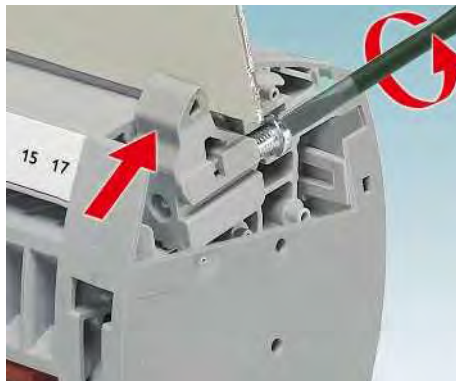
The transformer short circuit is at the heart of the system and, when the short-circuit bridge is pre-installed, it is implemented automatically when the operating or test plug is removed. This significantly improves the safety levels during testing and saves time as well.

The system is configured for current transformer and voltage transducer applications using accessories from the CLIPLINE complete system.

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The compact and modular design of the system provides an extensive range of options for every application with positions from 4 to 13. This applies to both the plugs and the test disconnect sockets.



The patented wall fastening is easy to use and has a robust design. Large tolerances in the plate cutout of up to 4 mm are compensated for by the eccentric tappet function.



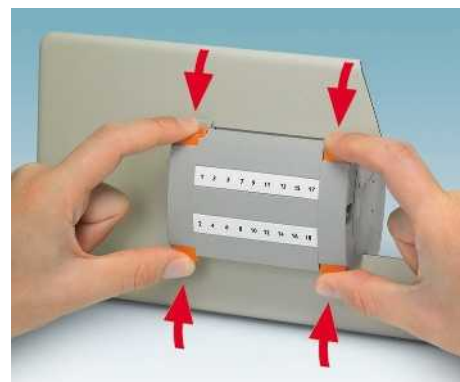
Thanks to the optional use of plug-in bridges, all test circuits can be implemented in the plug. Staggered test sockets enable the use of safety test leads in a confined space.



The transducer block offers two function shafts for short-circuit bridging configuration on the control cabinet exterior.



In addition to the two marking grooves, the test disconnect sockets for wall mounting also offer two function shafts inside the control cabinet for forming and grounding the star point.



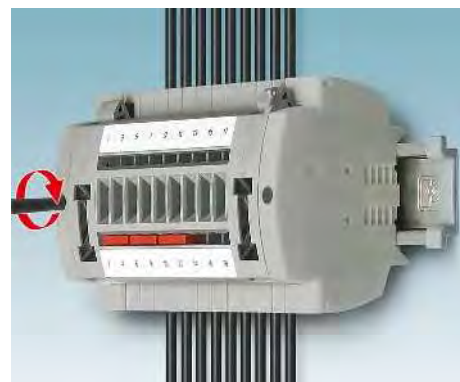
The robust latching of the power plug can only be released with two-hand operation.



The operating plug is protected against unauthorized actuation thanks to the optional seal. The operating plug safely covers the short-circuit bridges and plug openings in normal operation.



Large-surface labeling options on the inside and outside of the control cabinet enable the clear identification of each terminal point.

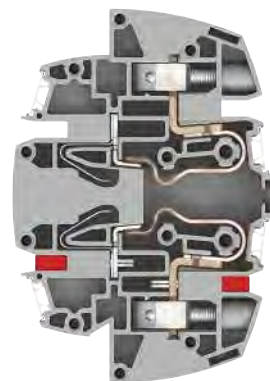


The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

FAME 1

Modular plug-in test system with operating plug and transformer short circuit in the plug-in test socket

The switch contact in the plug-in test socket is an N/O contact. In normal operation, the operating plug closes the contact.



Normal operation

Auxiliary contact open



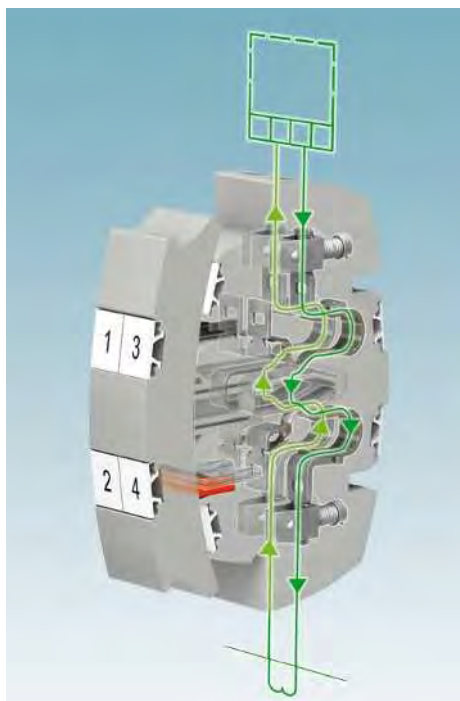
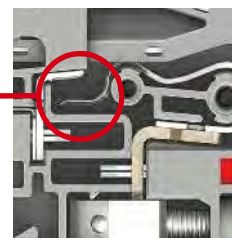
Transformer short circuit

Auxiliary contact closed



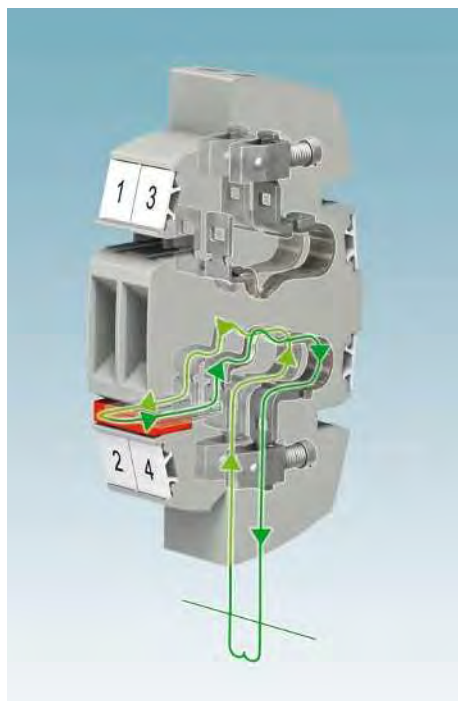
Test operation

Auxiliary contact open



Normal operation

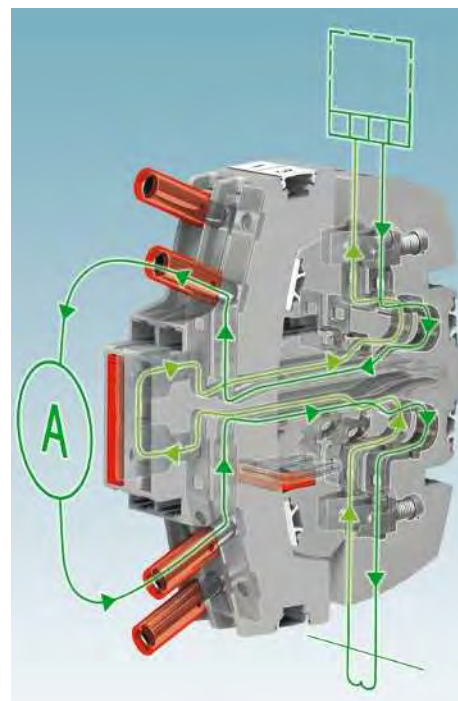
When the operating plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.



Transformer short circuit

If the plug is removed, the integrated auxiliary contact automatically triggers a leading short circuit when short-circuit bridges are plugged in.

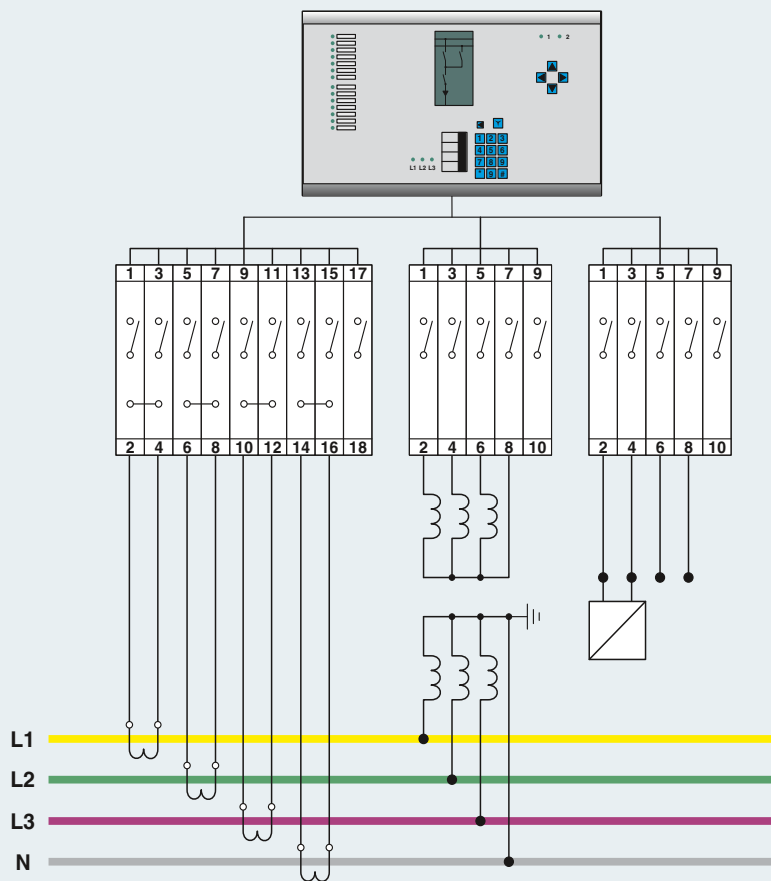
Connected measuring transducers are safely protected against damage.



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.

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**

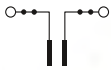


Plug-in test socket, operating plug, test plug

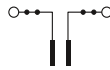
Type	Order No.	Required quantity
UTWE 6/8+1	3069064	1
FWP 8+1	3069297	1
FTP 8+1	3069242	1
Plug-in bridge		
FBS 2-8	3030284	4

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

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



24 A, test plug, incl. two test sockets
per position



24 A, test plug, compact, incl. two test sockets
per position



Blind plug



Technical data			
I_{max} [A]	U_{max} [V]	max. Ø [mm ²]	AWG (UL)
24	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6	-	-	-
PA	-	-	-
V0	-	-	-

Technical data			
I_{max} [A]	U_{max} [V]	max. Ø [mm ²]	AWG (UL)
24	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6	-	-	-
PA	-	-	-
V0	-	-	-

Technical data			
		max. Ø [mm ²]	AWG (UL)
		-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PA	-	-	-
V0	-	-	-

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
FTP 3+1		3069222	1
FTP 4+1		3069223	1
FTP 4+1		3069223	1
FTP 5+1		3069241	1
FTP 6+1		3069239	1
FTP 6+1		3069239	1
FTP 7+1		3069243	1
FTP 8+1		3069242	1
FTP 9+1		1029706	1
FTP 10+1		1029708	1
FTP 11+1		1029709	1
FTP 12+1		3069255	1

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
FTPC 3+1		3069259	1
FTPC 4+1		3069260	1
FTPC 4+1		3069260	1
FTPC 5+1		3069261	1
FTPC 6+1		3069262	1
FTPC 6+1		3069262	1
FTPC 7+1		3069263	1
FTPC 8+1		3069264	1
FTPC 9+1		3069265	1
FTPC 10+1		3069266	1
FTPC 11+1		3069267	1
FTPC 12+1		3069268	1

Ordering data		
Type	Order No.	Pcs./Pkt.
FBP 3+1	3069399	5
FBP 4+1	3069405	5
FBP 4+1	3069405	5
FBP 5+1	3069409	5
FBP 6+1	3069406	5
FBP 6+1	3069406	5
FBP 7+1	3069400	5
FBP 8+1	3069407	5
FBP 9+1	1029718	5
FBP 10+1	1029719	5
FBP 11+1	1029720	5
FBP 12+1	3069408	5

Accessories			
FBS 2-8	24 A	3030284	10
FBS 3-8	24 A	3030297	10
FBS 5-8	24 A	3030310	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 RD		3026719	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
C-FC 1,5/M3		3240137	100
C-FC 2,5/M3		3240142	100
C-FCI 1,5/M3		3240032	100
C-FCI 2,5/M3		3240037	100
SF-SL 0,8X4,0-100		1212551	10

Accessories			
FBS 2-8	24 A	3030284	10
FBS 3-8	24 A	3030297	10
FBS 5-8	24 A	3030310	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 RD		3026719	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
C-FC 1,5/M3		3240137	100
C-FC 2,5/M3		3240142	100
C-FCI 1,5/M3		3240032	100
C-FCI 2,5/M3		3240037	100
SF-SL 0,8X4,0-100		1212551	10

Accessories		

UC-TM 8, UCT-TM 8 or ZB 8
(see Catalog 3)

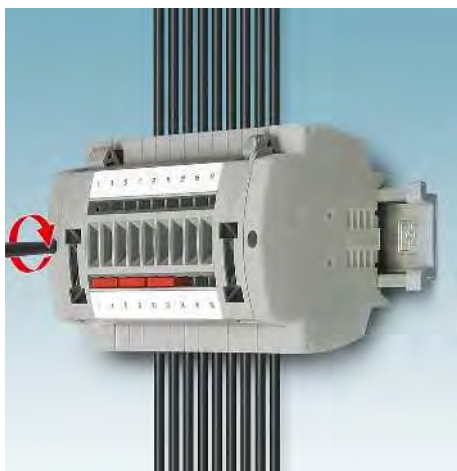
UC-TM 8, UCT-TM 8 or ZB 8
(see Catalog 3)

UC-TM 8, UCT-TM 8 or ZB 8
(see Catalog 3)

Sector-specific solutions

Solutions for protection and control engineering

DIN rail adapters



The pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base is available for every function.

- The DIN rail adapters have a robust metal foot
- Secure connection to the DIN rail by simply screwing tight

		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
DIN rail adapter	gray	E-UTWE 6	3069055	10

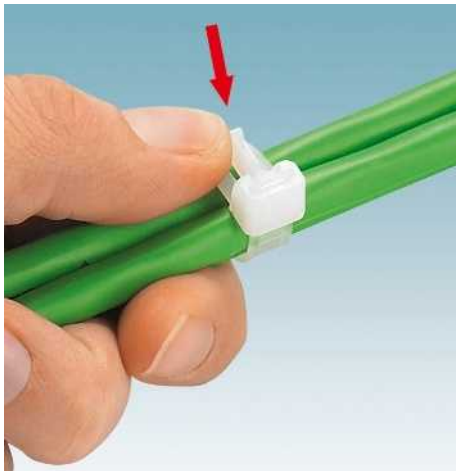
Covers

- The AP RSC-T cover profile can be mounted from the inside of the control cabinet using the FAME 1 test terminal strip
- Terminal block screws are protected against unauthorized operation
- The APH-UTWE 6 cover profile carrier is mounted by simply snapping it onto the test disconnect socket on the right and left-hand side



		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover profile, supply length 1 m	transparent	AP RSC-T	3059139	10			
Cover profile carrier, can be snapped into place and sealed	gray				APH-UTWE 6	3069056	10

Cable ties for securing test cables



- WT-D HF 7,5x200 removable cable ties can be used to easily secure test cables to an FTP FAME 1 test plug
- The cable tie base is simply unscrewed at the grip. The knurled screw is removed and then secured together with the base



Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Cable tie base , for cable ties of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm				
	transparent	WT-BASE HF 9	3240704	100
Cable tie , maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	transparent	WT-D HF 7,5X200	3240712	100

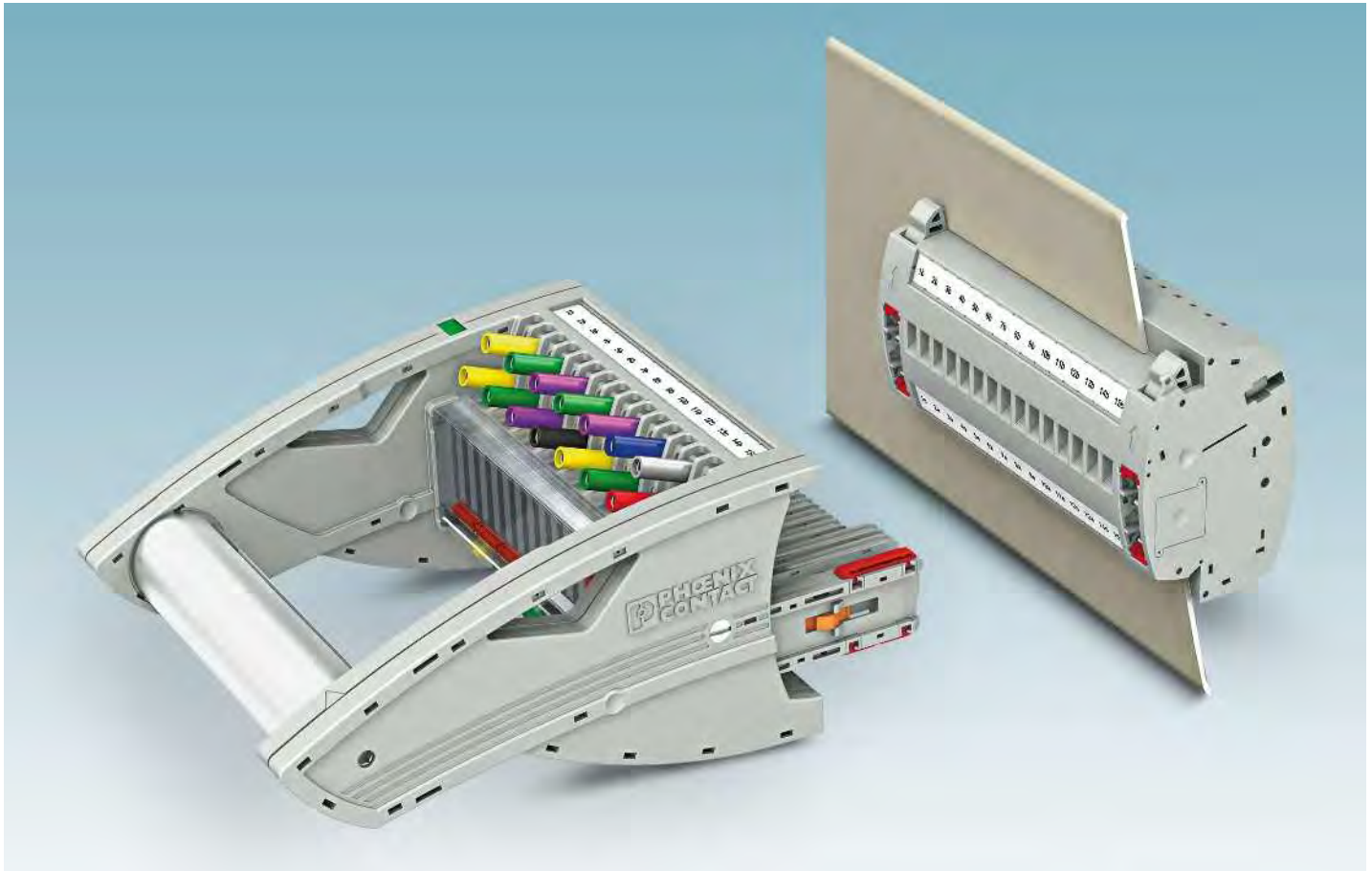
Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation in accordance with EN 61010-031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets



Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Test socket , insulated				
	transparent	PSBJ-URTK 6 FARBLOS	3026450	10
	red	PSBJ-URTK 6 RD	3026719	10
	blue	PSBJ-URTK 6 BU	3026434	10
	yellow	PSBJ-URTK 6 YE	3026405	10
	green	PSBJ-URTK 6 GN	3026418	10
	violet	PSBJ-URTK 6 VT	3026421	10
	black	PSBJ-URTK 6 BK	3026447	10
	gray	PSBJ-URTK 6 GY	3026612	10
	brown	PSBJ-URTK 6 BN	3026971	10
	white	PSBJ-URTK 6 WH	3026448	10

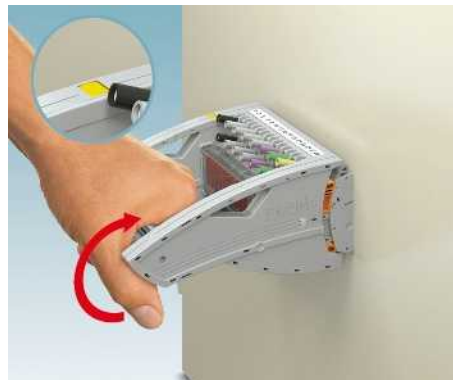


FAME 2, the test disconnect system without operating plug, combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts, into just one compact and space-saving block. The system operates in accordance with the N/C contact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

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The test plug is completely inserted and engaged, the display window turns red. All test contacts are contacted in accordance with the test setup.



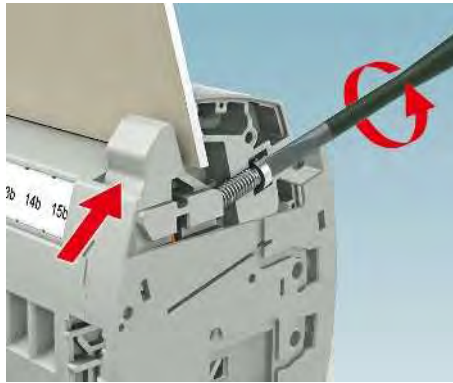
The rotary handle is turned upward as far as it will go, the display window turns yellow. Test contacts with short contact tab lengths (e.g., current transformers) are once again through-connected to the protective device.



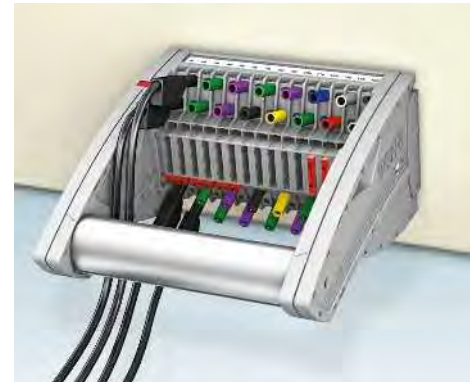
The rotary handle is turned back to its starting position. Now the mechanism releases the plug so it can be fully removed. The display window turns green.



Programmed short-circuit and switching operations depend on consistent insertion and removal of the test plug. Undefined contact states are effectively avoided, thanks to the rotary handle mechanism.



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



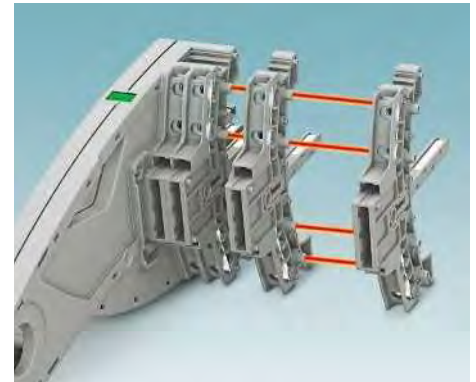
The offset test socket arrangement enables the use of CAT III and CAT IV/1000 V safety test leads in accordance with EN 61010-031 in a confined space.



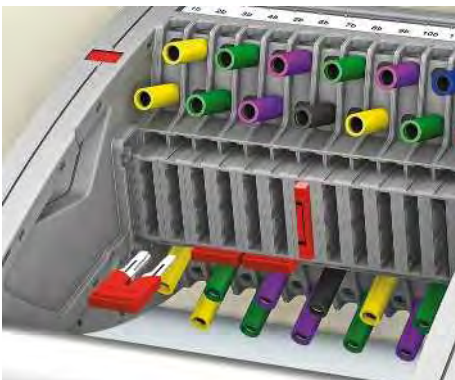
FAME test terminal strips have an IP20 design. Blind plugs without switching function can be inserted and secured with seals. These can only be released with two-hand operation.



In addition to the two marking grooves, the test terminal strips for wall mounting also offer two function shafts, or six function shafts in the case of the DIN rail version, inside the control cabinet for forming and grounding the star point.



The compact and modular design of the system provides an extensive range of options for every application with positions from 4 to 25. This applies to both the plugs and the test disconnect sockets.



The test plug provides three function shafts between the 4 mm test contacts. Horizontally aligned, as leading short-circuit bridge – vertically aligned as through connection in the plug.



The coding profiles are applied by the user in accordance with their application. VDE-compliant versions are pre-coded on delivery. This ensures maximum safety.



All applications which do not involve testing through the closed door, as well as the open rack mounting, can be implemented with the DIN rail version. Terminal points and plug-in zone can be operated from one direction.

FAME 2

Modular plug-in test system without operating plug and transformer short circuit in the test plug

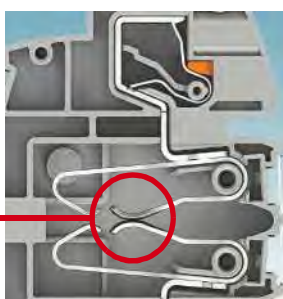
The switch contact in the plug-in test socket is a N/C contact. In normal operation the contact is closed.

Thanks to the FAME 2 system's opening function, additional operating plugs are not required for normal operation.



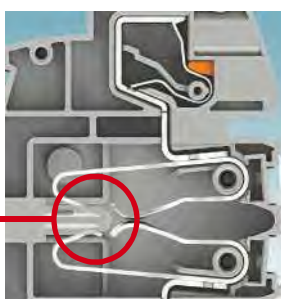
Normal operation

Closed switch contact



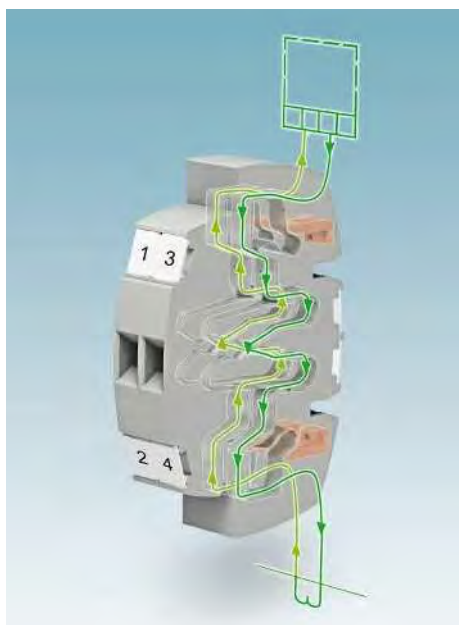
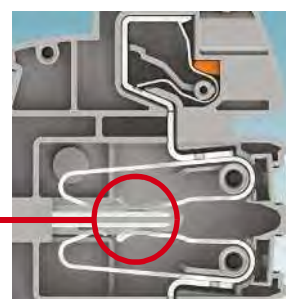
Transformer short circuit

Leading short circuit by means of auxiliary contact



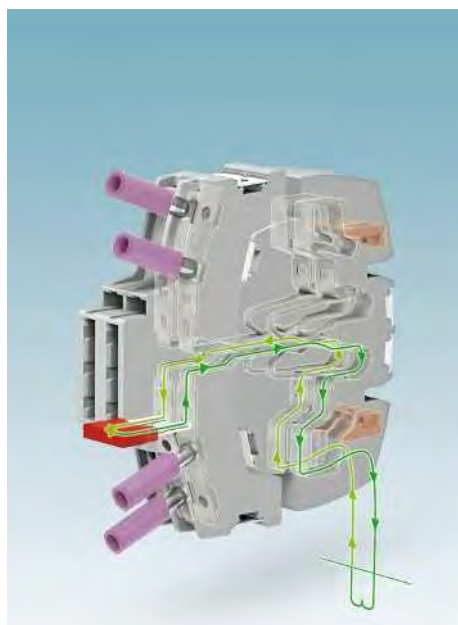
Test operation

Switch contact connected via test socket



Normal operation

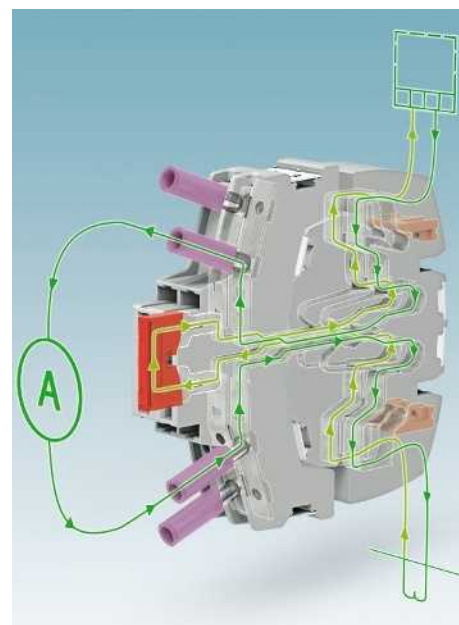
Additional operating plugs are not required for normal operation; the measuring transducer operates safely and reliably. If desired, the plug-in zone can be covered and sealed with a blind plug to prevent unauthorized access.



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 crossways.

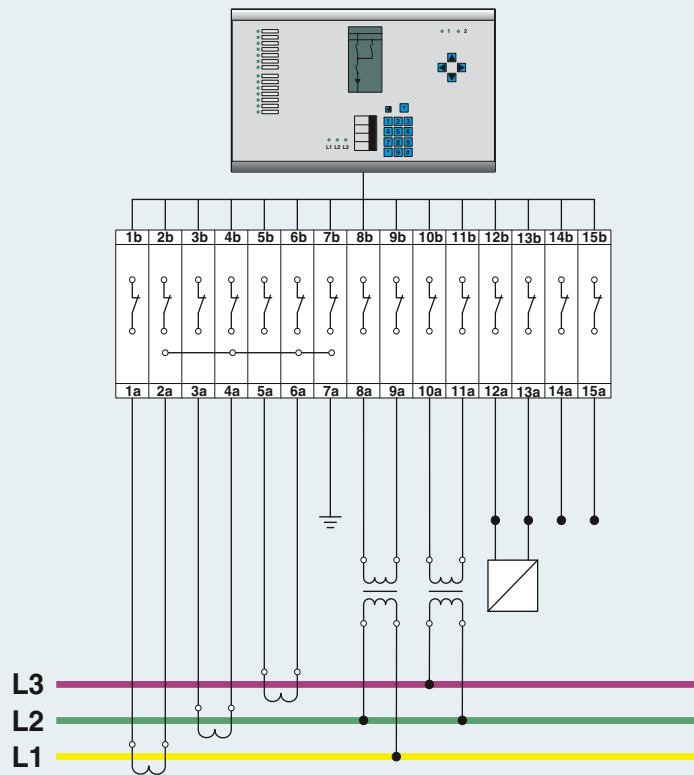
Connected measuring transducers are safely protected against damage.



Test operation

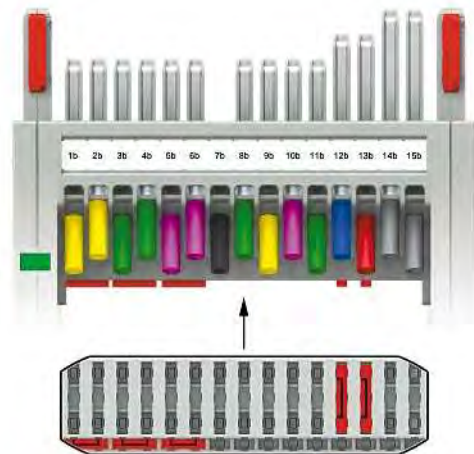
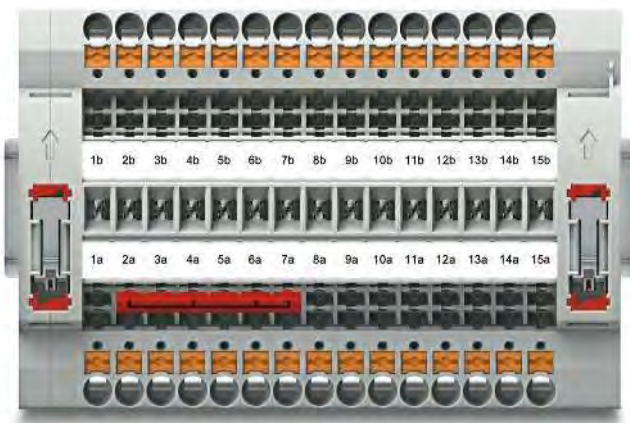
With the bridge inserted lengthways in the test plug, test equipment can be looped into the current path via the 4 mm test sockets.

Mains protection – Circuit example with star point grounding in the plug-in test socket



Plug-in test socket for DIN rail mounting with current transformer, voltage transducer, and signals

Test plug with current transformer, voltage transducer, and signals



Plug-in test socket, blind plug

Type	Order No.	Required quantity
PTRE 6-2/15	3069864	1
FBP 2/15	3069886	1
Plug-in bridge		
FBS 6-8	3032470	1

Test plug

Type	Order No.	Required quantity
FTPR 2/15	3001693	1
Plug-in bridge		
FBS 2-8	3030284	3
FBS 1/3-8	3032363	2

Test terminal strip, with Push-in connection or screw connection



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

- The test terminal strips can be used universally for current and voltage transducers
- The test disconnect socket is mounted in the control cabinet door or on the DIN rail
- Signal and status messages can be wired in combination in a test terminal strip
- The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the rotary handle
- All test signals are connected with touch-proof safety test cables (CAT III and CAT IV/1000 V in accordance with EN 61010-031)
- All versions listed can be equipped with coding for the matching test plug
- Star points of the current transformers can easily be created with FBS ... plug-in bridges on the rear of the plug-in test socket
- You can find corresponding accessories from page 627

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For further plug-in bridges, see page 628.
1) Derating curve available on request.
2) Test surge voltage 5 kV.



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, Push-in connection



Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
Connection cross sections directly plug-in	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Tightening torque for wall fastening	[Nm]
Panel thickness	[mm]
Insulating material	
Flammability rating in accordance with UL 94	

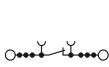
Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
30	400 ²⁾	0.5 - 10	20-8
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
400 ²⁾	300	600	-
24 ¹⁾ / 6	10	20 / -	-
6	-	-	-
20 - 8	20-8	20-8	-
Connection capacity		Ferrule	
Rigid	Flexible	without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	-
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
General data			
Stripping length	[mm]	12	
Screw thread		-	
Tightening torque	[Nm]	-	
Tightening torque for wall fastening	[Nm]	0.8 - 1	
Panel thickness	[mm]	1 - 4	
Insulating material		PA	
Flammability rating in accordance with UL 94		V0	

Description	Color
Test terminal strip, 4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14-pos.	gray
15-pos.	gray
16-pos.	gray
17-pos.	gray
18-pos.	gray
19-pos.	gray
20-pos.	gray
21-pos.	gray
22-pos.	gray
23-pos.	gray
24-pos.	gray
25-pos.	gray

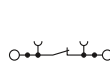
Ordering data		
Type	Order No.	Pcs./Pkt.
PTWE 6-2/4	3069827	1
PTWE 6-2/5	3069828	1
PTWE 6-2/6	3069829	1
PTWE 6-2/7	3069830	1
PTWE 6-2/8	3069831	1
PTWE 6-2/9	3069832	1
PTWE 6-2/10	3069833	1
PTWE 6-2/11	3069834	1
PTWE 6-2/12	3069835	1
PTWE 6-2/13	3069836	1
PTWE 6-2/14	3069837	1
PTWE 6-2/15	3069838	1
PTWE 6-2/16	3069839	1
PTWE 6-2/17	3069840	1
PTWE 6-2/18	3069841	1
PTWE 6-2/19	3069842	1
PTWE 6-2/20	3069843	1
PTWE 6-2/21	3069844	1
PTWE 6-2/22	3069845	1
PTWE 6-2/23	3069846	1
PTWE 6-2/24	3069847	1
PTWE 6-2/25	3069848	1

Cover profile, supply length 1 m	transparent
Cover profile holder, can be snapped on and sealed	gray
Cover profile, supply length 1 m	transparent
Cover profile carrier, sealable, for AP-ME cover profile	gray
Cover profile carrier, for AP-ME Screwdriver	gray
Lateral groove labeling	

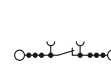
Accessories		
AP RSC-T	3059139	10
APH-UTWE 6-2	3069057	10
SF-SL 0,8X4,0-100	1212551	10
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, Push-in connection



10 (10) mm², 30 A, 4 ... 25-pos. plug-in test socket, for wall mounting, screw connection



10 (10) mm², 30 A, 4 ... 25-pos. plug-in test socket, for DIN rail mounting, screw connection



Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
30	400 ²⁾	0.5 - 10	20-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400 ²⁾	300	600	-
24 ¹⁾ / 6	10	20 / -	-
6	-	-	-
20 - 8	20-8	20-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	-
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
-			
-			
-			
-			
PA			
V0			

Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
30	400 ²⁾	0.2 - 10	24-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400 ²⁾	300	300	-
24 ¹⁾ / 6	10	10 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
12			
M4			
1.5 - 1.8			
0.8 - 1			
1 - 4			
PA			
V0			

Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
30	400 ²⁾	0.2 - 10	24-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400 ²⁾	300	300	-
24 ¹⁾ / 6	10	10 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
10			
M4			
1.5 - 1.8			
-			
-			
PA			
V0			

Ordering data		
Type	Order No.	Pcs./Pkt.
PTRE 6-2/4	3069849	1
PTRE 6-2/5	3069850	1
PTRE 6-2/6	3069851	1
PTRE 6-2/7	3069852	1
PTRE 6-2/8	3069853	1
PTRE 6-2/9	3069854	1
PTRE 6-2/10	3069855	1
PTRE 6-2/11	3069860	1
PTRE 6-2/12	3069861	1
PTRE 6-2/13	3069862	1
PTRE 6-2/14	3069863	1
PTRE 6-2/15	3069864	1
PTRE 6-2/16	3069865	1
PTRE 6-2/17	3069866	1
PTRE 6-2/18	3069867	1
PTRE 6-2/19	3069868	1
PTRE 6-2/20	3069869	1
PTRE 6-2/21	3069870	1
PTRE 6-2/22	3069871	1
PTRE 6-2/23	3069872	1
PTRE 6-2/24	3069873	1
PTRE 6-2/25	3069874	1

Ordering data		
Type	Order No.	Pcs./Pkt.
UTWE 6-2/4	3069650	1
UTWE 6-2/5	3069651	1
UTWE 6-2/6	3069652	1
UTWE 6-2/7	3069654	1
UTWE 6-2/8	3069655	1
UTWE 6-2/9	3069656	1
UTWE 6-2/10	3069658	1
UTWE 6-2/11	3069659	1
UTWE 6-2/12	3069660	1
UTWE 6-2/13	3069662	1
UTWE 6-2/14	3069663	1
UTWE 6-2/15	3069664	1
UTWE 6-2/16	3069666	1
UTWE 6-2/17	3069667	1
UTWE 6-2/18	3069668	1
UTWE 6-2/19	3069672	1
UTWE 6-2/20	3069673	1
UTWE 6-2/21	3069800	1
UTWE 6-2/22	3069801	1
UTWE 6-2/23	3069802	1
UTWE 6-2/24	3069803	1
UTWE 6-2/25	3069804	1

Ordering data		
Type	Order No.	Pcs./Pkt.
UTRE 6-2/4	3069805	1
UTRE 6-2/5	3069806	1
UTRE 6-2/6	3069807	1
UTRE 6-2/7	3069808	1
UTRE 6-2/8	3069809	1
UTRE 6-2/9	3069810	1
UTRE 6-2/10	3069811	1
UTRE 6-2/11	3069812	1
UTRE 6-2/12	3069813	1
UTRE 6-2/13	3069814	1
UTRE 6-2/14	3069815	1
UTRE 6-2/15	3069816	1
UTRE 6-2/16	3069817	1
UTRE 6-2/17	3069818	1
UTRE 6-2/18	3069819	1
UTRE 6-2/19	3069820	1
UTRE 6-2/20	3069821	1
UTRE 6-2/21	3069822	1
UTRE 6-2/22	3069823	1
UTRE 6-2/23	3069824	1
UTRE 6-2/24	3069825	1
UTRE 6-2/25	3069826	1

Accessories		
AP-ME METER	3034361	10
APH-ME	3034374	10
APT-ME	3034358	10
SF-SL 0,8X4,0-100	1212551	10

Accessories		
AP RSC-T	3059139	10
APH-UTWE 6-2	3069057	10
SF-SL 0,8X4,0-100	1212551	10

Accessories		
AP-ME METER	3034361	10
APH-ME	3034374	10
APT-ME	3034358	10
SF-SL 0,8X4,0-100	1212551	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

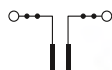
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

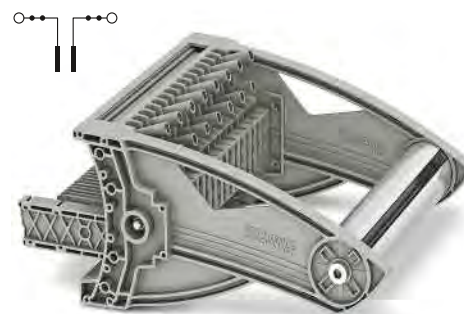
Solutions for protection and control engineering

Test plug, multi-position, freely-configurable contact tabs FTPR ... and FTP ...

- 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
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page



24 A, test plug with twist grip,
4 mm test sockets



24 A, test plug without rotary handle,
4 mm test sockets



Technical data

Maximum electrical data		I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
		24	400	0.5 - 2.5	-
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			



Technical data

Maximum electrical data		I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
		24	400	0.5 - 2.5	-
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test plug	gray	FTPR-2/4	3001681	1
5-pos.	gray	FTPR-2/5	3001683	1
6-pos.	gray	FTPR-2/6	3001684	1
7-pos.	gray	FTPR-2/7	3001685	1
8-pos.	gray	FTPR-2/8	3001686	1
9-pos.	gray	FTPR-2/9	3001687	1
10-pos.	gray	FTPR-2/10	3001688	1
11-pos.	gray	FTPR-2/11	3001689	1
12-pos.	gray	FTPR-2/12	3001690	1
13-pos.	gray	FTPR-2/13	3001691	1
14-pos.	gray	FTPR-2/14	3001692	1
15-pos.	gray	FTPR-2/15	3001693	1
16-pos.	gray	FTPR-2/16	3001694	1
17-pos.	gray	FTPR-2/17	3001696	1
18-pos.	gray	FTPR-2/18	3001697	1
19 pos.	gray	FTPR-2/19	3001698	1
20-pos.	gray	FTPR-2/20	3001699	1
21-pos.	gray	FTPR-2/21	3001700	1
22-pos.	gray	FTPR-2/22	3001701	1
23-pos.	gray	FTPR-2/23	3001702	1
24-pos.	gray	FTPR-2/24	3001703	1
25-pos.	gray	FTPR-2/25	3001704	1

Accessories

Fork-type cable lug, insulated, in accordance with UL	red	C-FCI 1,5/M3	3240032	100
	blue	C-FCI 2,5/M3	3240037	100
Ring cable lug, insulated, in accordance with UL	red	C-RCI 1,5/M3	3240016	100
	blue	C-RCI 2,5/M3	3240021	100

Marking

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-2/4	3001706	1
FTP-2/5	3001707	1
FTP-2/6	3001708	1
FTP-2/7	3001709	1
FTP-2/8	3001710	1
FTP-2/9	3001711	1
FTP-2/10	3001712	1
FTP-2/11	3001713	1
FTP-2/12	3001714	1
FTP-2/13	3001715	1
FTP-2/14	3001716	1
FTP-2/15	3001717	1
FTP-2/16	3001719	1
FTP-2/17	3001720	1
FTP-2/18	3001722	1
FTP-2/19	3001723	1
FTP-2/20	3001724	1
FTP-2/21	3001725	1
FTP-2/22	3001726	1
FTP-2/23	3001727	1
FTP-2/24	3001728	1
FTP-2/25	3001729	1

Accessories

C-FCI 1,5/M3	3240032	100
C-FCI 2,5/M3	3240037	100
C-RCI 1,5/M3	3240016	100
C-RCI 2,5/M3	3240021	100

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

Order example: Configurable test plug with rotary handle function

To ensure that your order is correct, you need a defined view of how everything is counted. This is achieved when the status window in the top view is located on the left-hand side. Position 1 then is on the left. Each position of a test plug is described by a contact tab feature that is to be 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.

Ordering example:

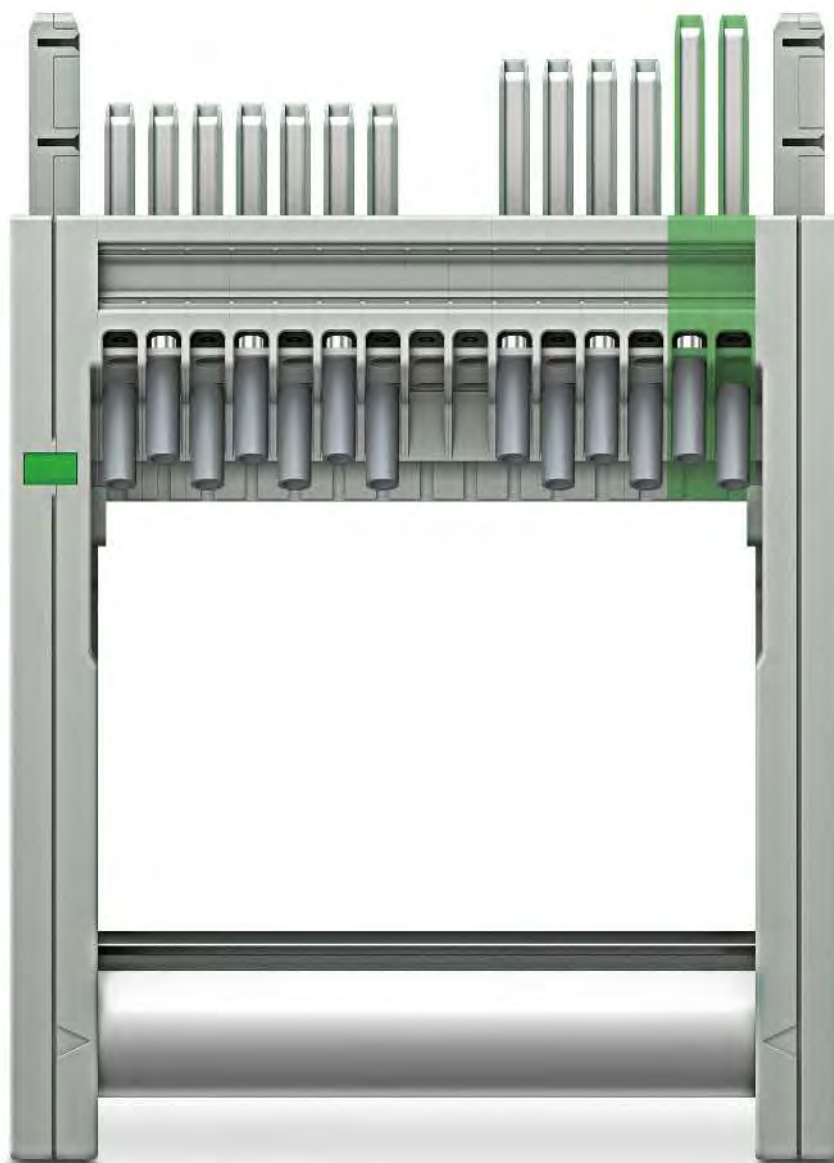
A 15-pos. test plug with rotary handle needs to be configured as follows:

Pos. 1 Short contact tab, gray
 Pos. 2 Short contact tab, gray
 Pos. 3 Short contact tab, gray
 Pos. 4 Short contact tab, gray
 Pos. 5 Short contact tab, gray
 Pos. 6 Short contact tab, gray
 Pos. 7 Short contact tab, gray
 Pos. 8 No contact tab, gray

Pos. 9 No contact tab, gray
 Pos. 10 Medium contact tab, gray
 Pos. 11 Medium contact tab, gray
 Pos. 12 Medium contact tab, gray
 Pos. 13 Medium contact tab, gray
 Pos. 14 Long contact tab, green
 Pos. 15 Long contact tab, green

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

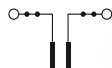


Sector-specific solutions

Solutions for protection and control engineering

Service test plugs, FBP-2/... blind plugs

- The service test plug is available in 1-pos. and 4-pos. versions without side flanges
- Free positioning on the test terminal strip for special measuring tasks
- Additional assembly with bridges and test sockets
- During normal operation, the blind plug acts as a protective cover for the test terminal strip and can be sealed as an option



Service test plug 1 ... 4-pos.



Blind plug 4 ... 25-pos.



Maximum electrical data

Rated data

Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG

Connection capacity

1 conductor	[mm²]
-------------	-------

General data

Tightening torque: test socket screw	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Technical data

I _{max.} [A]	U _{max.} [V]	max. Ø [mm²]	AWG (UL)
24	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-

Technical data

		max. Ø [mm²]	AWG (UL)
		-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Service test plug, 1-pos., with test sockets	red	FTP-2/1 SERVICE	3069469	1
2-pos., without test sockets	red	FTP-2/2 SERVICE	3069464	1
3-pos., without test sockets	red	FTP-2/3 SERVICE	3069465	1
4-pos., without test sockets	red	FTP-2/4 SERVICE	3069468	1
Blind plug, 4-pos.	gray			
5-pos.	gray			
6-pos.	gray			
7-pos.	gray			
8-pos.	gray			
9-pos.	gray			
10-pos.	gray			
11-pos.	gray			
12-pos.	gray			
13-pos.	gray			
14-pos.	gray			
15-pos.	gray			
16-pos.	gray			
17-pos.	gray			
18-pos.	gray			
19-pos.	gray			
20-pos.	gray			
21-pos.	gray			
22-pos.	gray			
23-pos.	gray			
24-pos.	gray			
25-pos.	gray			
Isolating plug, 1-pos.	green	FIP-3/1 SERVICE	3069921	1

Ordering data

Type	Order No.	Pcs./Pkt.
FBP-2/4	3069875	1
FBP-2/5	3069876	1
FBP-2/6	3069877	1
FBP-2/7	3069878	1
FBP-2/8	3069879	1
FBP-2/9	3069880	1
FBP-2/10	3069881	1
FBP-2/11	3069882	1
FBP-2/12	3069883	1
FBP-2/13	3069884	1
FBP-2/14	3069885	1
FBP-2/15	3069886	1
FBP-2/16	3069887	1
FBP-2/17	3069888	1
FBP-2/18	3069889	1
FBP-2/19	3069890	1
FBP-2/20	3069891	1
FBP-2/21	3069892	1
FBP-2/22	3069893	1
FBP-2/23	3069894	1
FBP-2/24	3069895	1
FBP-2/25	3069896	1

Accessories

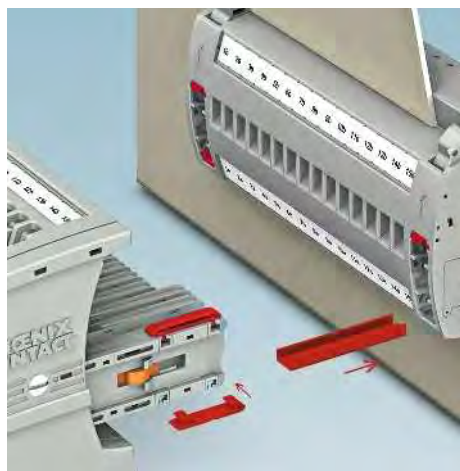
Lateral groove labeling

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)

PC ...-TRI coding profile set



- The coding profile set can be used to assign test terminal strips and test plugs in accordance with the specific application
- Maximum safety is therefore ensured for all testing tasks



General data

Material
Flammability rating in accordance with UL 94

Technical data

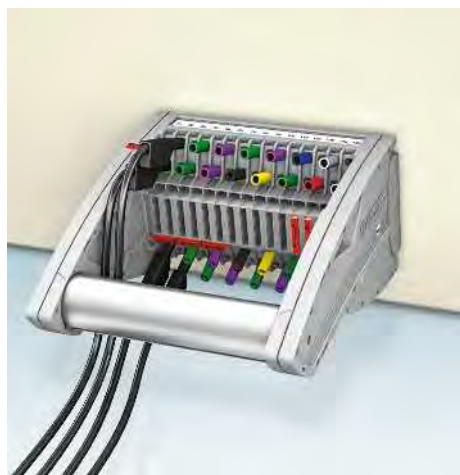
PA
V0

Ordering data

Description	Color
Coding profile set, for test terminal strip	red
Coding profile set, for FTP-2 and FTPR-2 test plugs and FBP-2 blind plugs	red

Type	Order No.	Pcs./Pkt.
PC-UTWE-TRI	3069897	50
PC-FTP-TRI	3069898	50

Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation in accordance with EN 61010-031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets



Ordering data

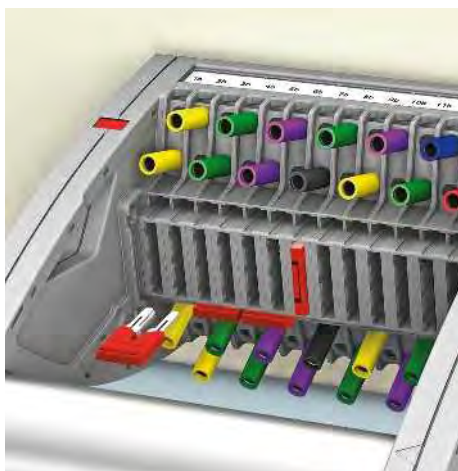
Description	Color
Test socket, insulated	transparent
	red
	blue
	yellow
	green
	violet
	black
	gray
	brown
	white

Type	Order No.	Pcs./Pkt.
PSBJ-URTK 6 FARBLOS	3026450	10
PSBJ-URTK 6 RD	3026719	10
PSBJ-URTK 6 BU	3026434	10
PSBJ-URTK 6 YE	3026405	10
PSBJ-URTK 6 GN	3026418	10
PSBJ-URTK 6 VT	3026421	10
PSBJ-URTK 6 BK	3026447	10
PSBJ-URTK 6 GY	3026612	10
PSBJ-URTK 6 BN	3026971	10
PSBJ-URTK 6 WH	3026448	10

Sector-specific solutions

Solutions for protection and control engineering

Bridge, red, 8.2 mm pitch, FBS ...



- The FBS ...-8 plug-in bridges are used for short-circuiting, as star-point bridges, and also to establish grounding in connection with a PE modular terminal block on the terminal strip

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.



Description

Plug-in bridge

2-pos.
3-pos.
4-pos.
5-pos.
6-pos.
10-pos.

Ordering data

Type	Order No.	Pcs./Pkt.
FBS 2-8	3030284	10
FBS 3-8	3030297	10
FBS 4-8	3030307	10
FBS 5-8	3030310	10
FBS 6-8	3032470	10
FBS 10-8	3030323	10

Plug-in bridge with and without extraction tool, red, 8.2 mm pitch, FBSRH ...

- The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in measuring transducer disconnect terminal blocks, for example

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.



Plug-in bridge, with and without extraction tool

Description

Bridge, with extraction tool

2-pos.
3-pos.
4-pos.

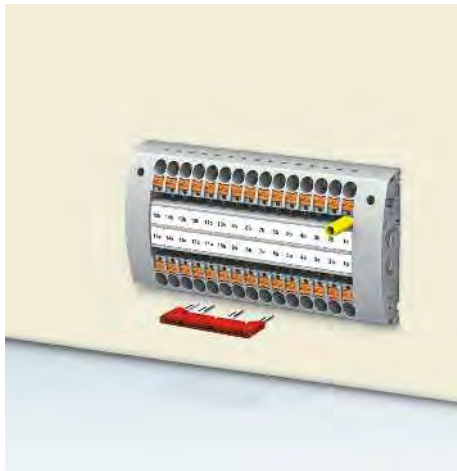
Plug-in bridge

2-pos.
3-pos.
4-pos.
5-pos.
10-pos.
16-pos.

Ordering data

Type	Order No.	Pcs./Pkt.
FBSRH 2-8	3033802	10
FBSRH 3-8	3033803	10
FBSRH 4-8	3033804	10
FBSR 2-8	3033808	10
FBSR 3-8	3001597	10
FBSR 4-8	3000585	10
FBSR 5-8	3033809	10
FBSR 10-8	3001599	10
FBSR 16-8	3033816	10

Pre-assembled bridge, red, 8.2 mm pitch



- Plug-in star-point bridges or bridges for bridging several positions can be supplied pre-configured without additional expense
- The bridges are printed and provide unique identification for bridging between non-adjacent terminal blocks

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.



Description

Pre-assembled bridge, labeled
 3-pos., positions 1, 3
 4-pos., positions 1, 4
 5-pos., positions 1, 3, 5
 10-pos., positions 1, 4, 7, 10

Ordering data

Type	Order No.	Pcs./Pkt.
FBS 1/3-8	3032363	10
FBS 1/4-8	3032376	10
FBS 1/3/5-8	3032389	10
FBS 1/4/7/10-8	3032402	10

Cover profiles for test plug or test terminal strip mounted on DIN rail



- The AP-FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit bridges on the completely assembled test plug
- To mount, gently release the side screw connection of the plug and snap the profile into place
- The APH-ME cover profile carrier is used in conjunction with the AP-ME cover for the DIN rail mounted test disconnect socket



General data

Material

Description

Description	Color
Cover profile, supply length 1 m	transparent
Cover profile, supply length 1 m	transparent
Cover profile, supply length 1 m	transparent
Cover profile carrier, sealable, for AP-ME cover profile	gray
Cover profile holder, can be snapped on and sealed	gray

Technical data

PVC

Ordering data

Type	Order No.	Pcs./Pkt.
AP-FTP METER	3069899	1
AP-ME METER	3034361	10
AP RSC-T	3059139	10
APH-ME	3034374	10
APH-UTWE 6-2	3069057	10

Sector-specific solutions

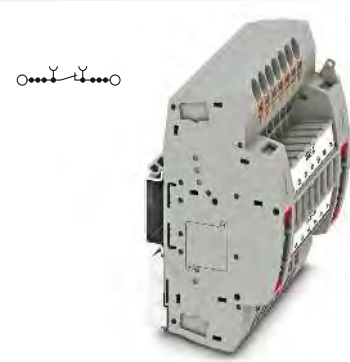
Solutions for protection and control engineering

Test disconnect sockets and test plugs, VDE-coded

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For circuit diagrams of the test plugs, visit phoenixcontact.net/products.
¹⁾ Derating curve available on request.
²⁾ Test surge voltage 5 kV.



6 (10) mm², 30 A, test disconnect socket, for wall mounting, VDE-coded



6 (10) mm², 30 A, test disconnect socket, for DIN rail mounting, VDE-coded



		Technical data				Technical data			
Maximum electrical data		I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)	I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
		30	400²)	0.5 - 10	20-8	30	400²)	0.5 - 10	20-8
Rated data		IEC 60947-7-1				IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	600	-	400²)	300	600	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	20 / -	-	24¹) / 6	10	20 / -	-
Rated cross section	[mm²]	6	-	-	-	6	-	-	-
Cross section range	AWG	20 - 8	20-8	20-8	-	20 - 8	20-8	20-8	-
Connection capacity		Rigid	Flexible	Ferrule		Rigid	Flexible	Ferrule	
		without/with plastic sleeve				without/with plastic sleeve			
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6	1 - 6	1 - 10	-	1 - 6	1 - 6
General data									
Stripping length	[mm]	12				12			
Tightening torque for wall fastening	[Nm]	0.8 - 1				-			
Panel thickness	[mm]	1 - 4				-			
Tightening torque: test socket screw	[Nm]	-				-			
Insulating material		PA				PA			
Flammability rating in accordance with UL 94		V0				V0			
		Ordering data				Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.		
Push-in connection, A7	gray	PTWE 6-2/A7	3069436	1	PTRE 6-2/A7	3069449	1		
B7	gray	PTWE 6-2/B7	3069437	1	PTRE 6-2/B7	3069450	1		
E7	gray	PTWE 6-2/E7	3069438	1	PTRE 6-2/E7	3069451	1		
A14	gray	PTWE 6-2/A14	3069439	1	PTRE 6-2/A14	3069452	1		
B14	gray	PTWE 6-2/B14	3069440	1	PTRE 6-2/B14	3069453	1		
C14	gray	PTWE 6-2/C14	3069441	1	PTRE 6-2/C14	3069454	1		
B19	gray	PTWE 6-2/B19	3069442	1	PTRE 6-2/B19	3069455	1		
C19	gray	PTWE 6-2/C19	3069443	1	PTRE 6-2/C19	3069456	1		
D19	gray	PTWE 6-2/D19	3069444	1	PTRE 6-2/D19	3069457	1		
F19	gray	PTWE 6-2/F19	3069445	1	PTRE 6-2/F19	3069458	1		
G19	gray	PTWE 6-2/G19	3069446	1	PTRE 6-2/G19	3069459	1		
H19	gray	PTWE 6-2/H19	3069447	1	PTRE 6-2/H19	3069460	1		
I19	gray	PTWE 6-2/I19	3069448	1	PTRE 6-2/I19	3069461	1		
Screw connection, A7	gray	UTWE 6-2/A7	3069410	1	UTRE 6-2/A7	3069423	1		
B7	gray	UTWE 6-2/B7	3069411	1	UTRE 6-2/B7	3069424	1		
E7	gray	UTWE 6-2/E7	3069412	1	UTRE 6-2/E7	3069425	1		
A14	gray	UTWE 6-2/A14	3069413	1	UTRE 6-2/A14	3069426	1		
B14	gray	UTWE 6-2/B14	3069414	1	UTRE 6-2/B14	3069427	1		
C14	gray	UTWE 6-2/C14	3069415	1	UTRE 6-2/C14	3069428	1		
B19	gray	UTWE 6-2/B19	3069416	1	UTRE 6-2/B19	3069429	1		
C19	gray	UTWE 6-2/C19	3069417	1	UTRE 6-2/C19	3069430	1		
D19	gray	UTWE 6-2/D19	3069418	1	UTRE 6-2/D19	3069431	1		
F19	gray	UTWE 6-2/F19	3069419	1	UTRE 6-2/F19	3069432	1		
G19	gray	UTWE 6-2/G19	3069420	1	UTRE 6-2/G19	3069433	1		
H19	gray	UTWE 6-2/H19	3069421	1	UTRE 6-2/H19	3069434	1		
I19	gray	UTWE 6-2/I19	3069422	1	UTRE 6-2/I19	3069435	1		
Service test plug, 1-pos., with test sockets	red								



24 A, test plug, with rotary handle,
VDE-coded



24 A, test plug, with standard handle,
VDE-coded



Blind plug, sealable,
VDE-coded



Technical data			
I _{max.} [A]	U _{max.} [V]	max. Ø [mm ²]	AWG (UL)
24	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

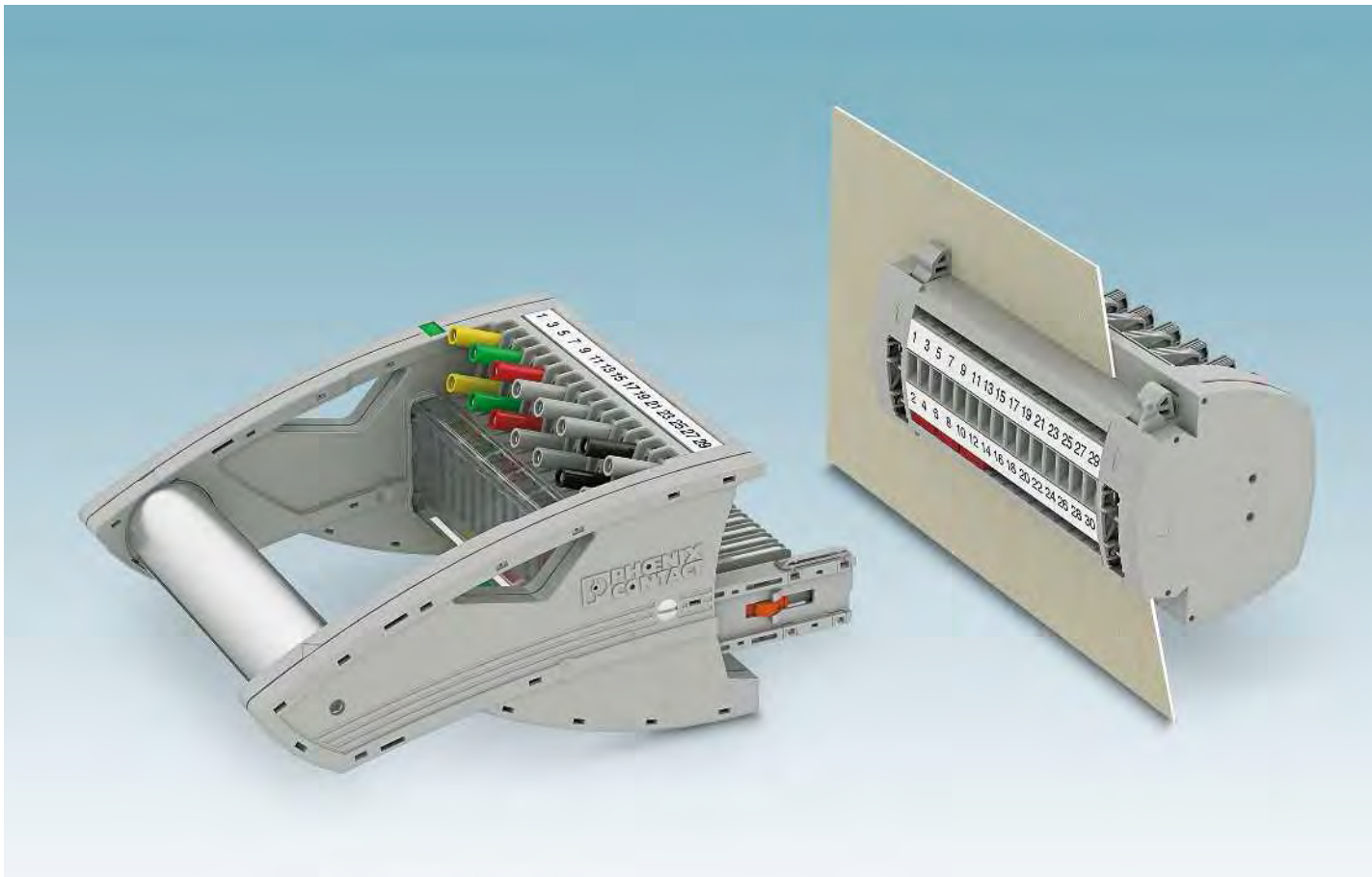
Technical data			
I _{max.} [A]	U _{max.} [V]	max. Ø [mm ²]	AWG (UL)
24	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

Technical data			
		max. Ø [mm ²]	AWG (UL)
		-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
PA			
V0			

Ordering data		
Type	Order No.	Pcs./Pkt.
FTP-2/A7	3069484	1
FTP-2/B7	3069485	1
FTP-2/E7	3069486	1
FTP-2/A14	3069487	1
FTP-2/B14	3069488	1
FTP-2/C14	3069489	1
FTP-2/B19	3069490	1
FTP-2/C19	3069491	1
FTP-2/D19	3069492	1
FTP-2/F19	3069493	1
FTP-2/G19	3069494	1
FTP-2/H19	3069495	1
FTP-2/I19	3069496	1
FTP-2/A7	3069484	1
FTP-2/B7	3069485	1
FTP-2/E7	3069486	1
FTP-2/A14	3069487	1
FTP-2/B14	3069488	1
FTP-2/C14	3069489	1
FTP-2/B19	3069490	1
FTP-2/C19	3069491	1
FTP-2/D19	3069492	1
FTP-2/F19	3069493	1
FTP-2/G19	3069494	1
FTP-2/H19	3069495	1
FTP-2/I19	3069496	1

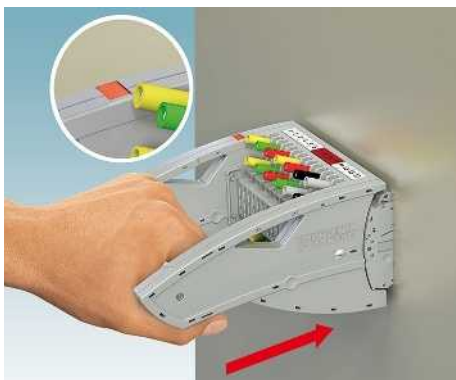
Ordering data		
Type	Order No.	Pcs./Pkt.
FTP-2/A7	3069470	1
FTP-2/B7	3069471	1
FTP-2/E7	3069472	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/I19	3069483	1
FTP-2/A7	3069470	1
FTP-2/B7	3069471	1
FTP-2/E7	3069472	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/I19	3069483	1
FTP-2/1 SERVICE	3069469	1

Ordering data		
Type	Order No.	Pcs./Pkt.
FBP-2/A7	3069497	1
FBP-2/B7	3069498	1
FBP-2/E7	3069499	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1
FBP-2/I19	3069678	1
FBP-2/A7	3069497	1
FBP-2/B7	3069498	1
FBP-2/E7	3069499	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1
FBP-2/I19	3069678	1

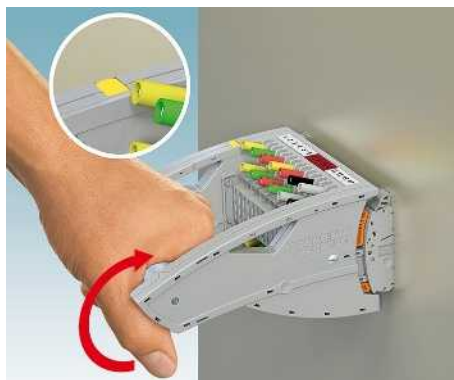


FAME 3 combines complex switching operations for function tests of current and voltage transformers, as well as tripping and signal contacts, in separate compact and space-saving blocks. The system operates in accordance with the N/C contact principle. An operating plug is not required. The automatic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

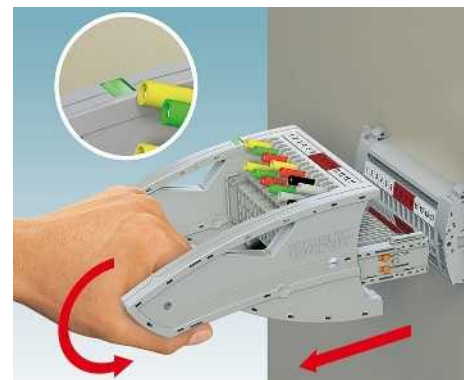
i Your web code: **#0131**



The test plug is inserted fully and engages securely. The display window turns red. All test contacts are contacted in accordance with the test setup.



The rotary handle is turned upward as far as it will go. The display window turns yellow. The test contacts are once again through-connected to the protective device.



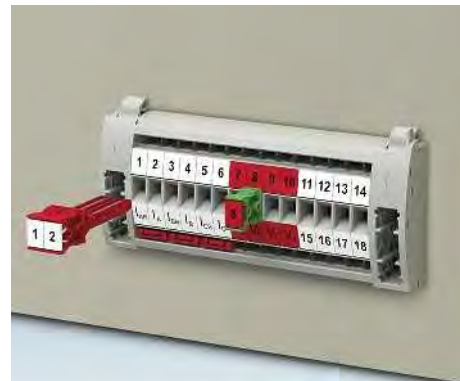
The rotary handle must be turned back to its starting position. The display window turns green. Now the mechanism releases the plug so it can be fully removed.



Defined, mechanically supported removal of the patented test plug from the test block. Optical display and forced locking in the various switch positions.



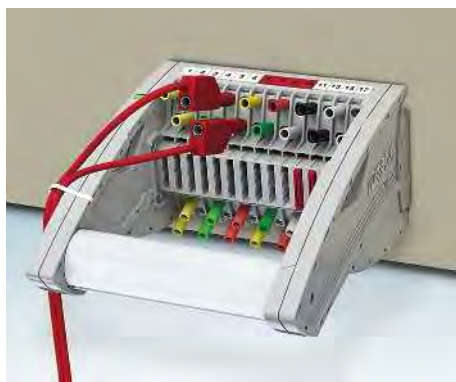
Automatic, leading transformer short circuit implemented with standard plug-in bridges in the test disconnect socket. Short-circuit bridges are designed to be touch-proof. Their positioning on the outside of the control cabinet is clearly visible.



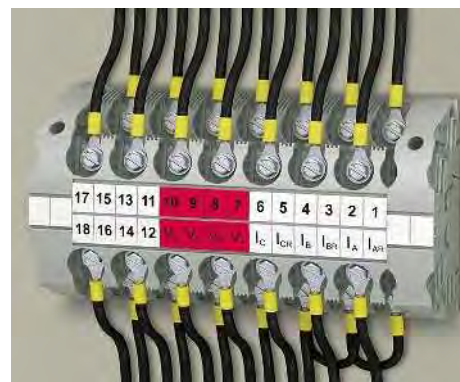
Service connectors are available with varying numbers of positions for special switching operations. A sealable, transparent cover protects against unauthorized actuation.



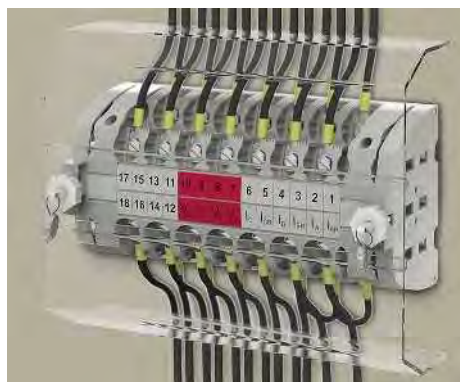
For special test processes you will receive service connectors with 4 mm test sockets with various numbers of positions. The test sockets can be used to connect equipment with safety test cables, e.g., measuring instruments.



Space saving, thanks to offset test socket arrangements. The test cables can be easily fixed in place with cable ties.



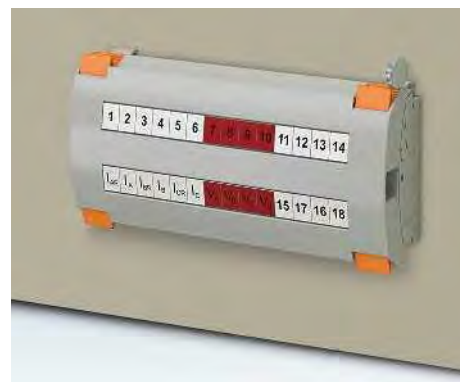
The test disconnect sockets feature screw connection technology for ring and fork-type cable lugs.



The test disconnect socket can be optionally protected against unauthorized actuation inside the control cabinet by means of a sealable cover.



Star point bridging is easily implemented by means of wire bridges on the inside of the control cabinet.



The robust latching of the cover for the test disconnect sockets can only be released with two-hand operation. The optional seal protects against unauthorized actuation.

FAME 3

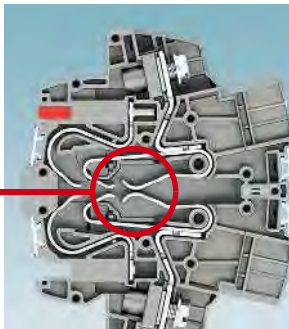
Modular plug-in test system without operating plug and transformer short circuit in the plug-in test socket

The switch contact in the plug-in test socket is a N/C contact. In normal operation the contact is closed.



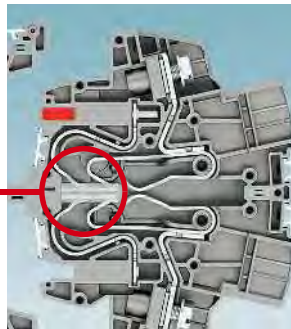
Normal operation

Closed switch contact



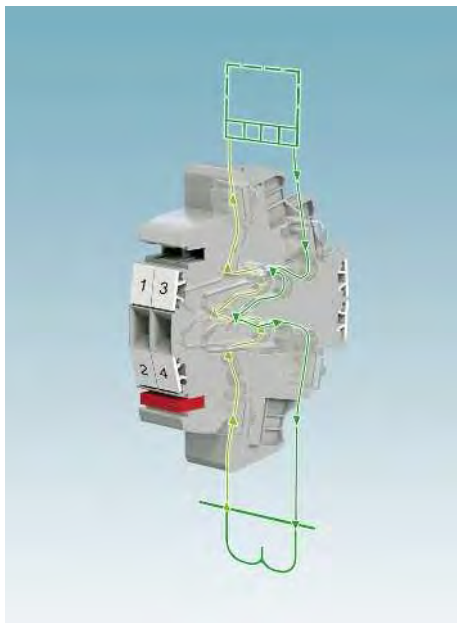
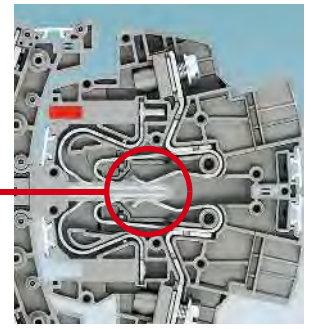
Transformer short circuit

Leading short circuit by means of auxiliary contact



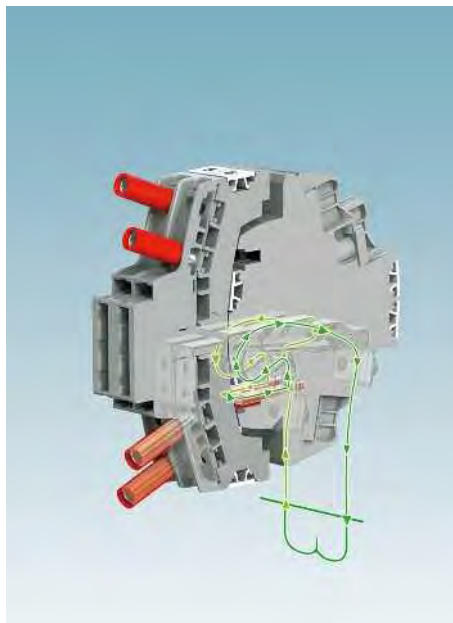
Test operation

Switch contact connected via test socket



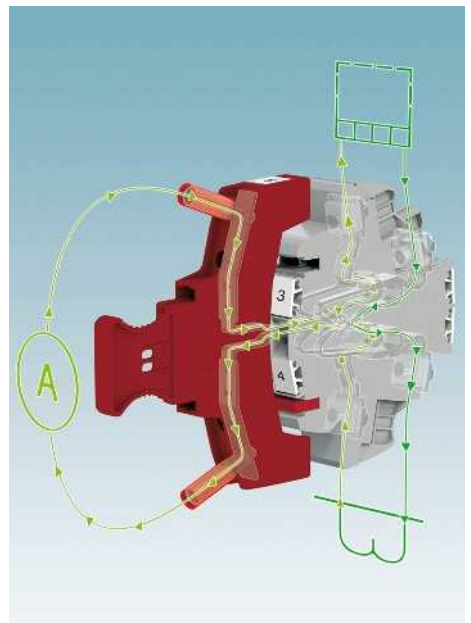
Normal operation

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

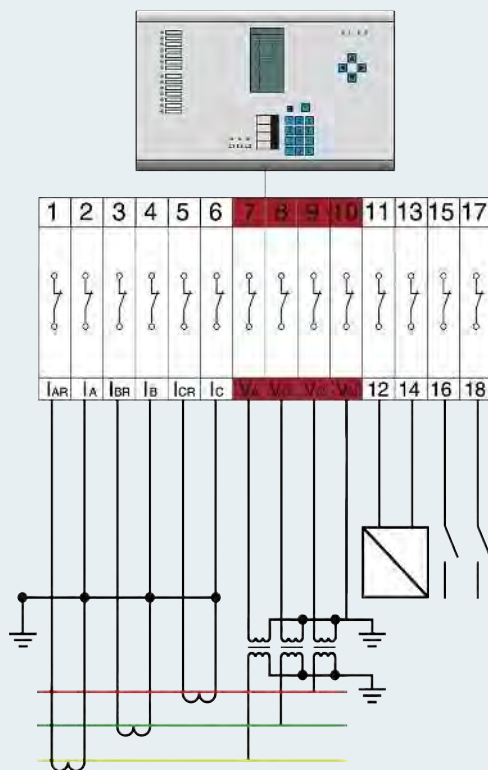
When replacing the protective device or in the case of a relay test, the current transformer can be short circuited upstream of the signal splitting by inserting a plug-in bridge in the plug-in test socket crossways. The short circuit occurs automatically when the test plug is inserted.



Test operation

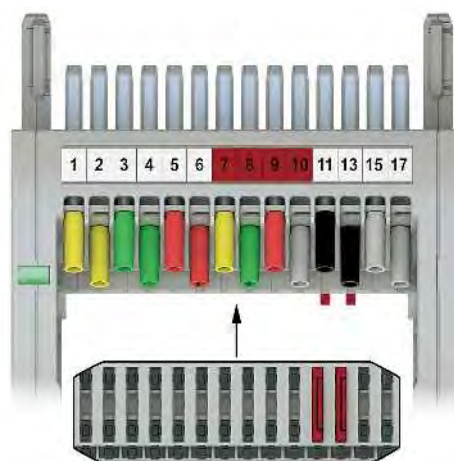
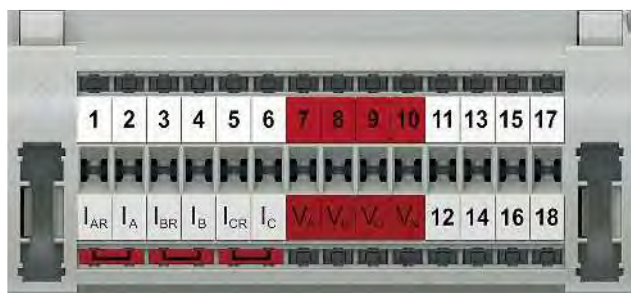
If you use the single-position service plug, you can simply loop the test equipment into the current path via the 4 mm test sockets.

Mains protection – Circuit example with star point grounding in the plug-in test socket



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

Test plug with current transformer, voltage transducer, and signals



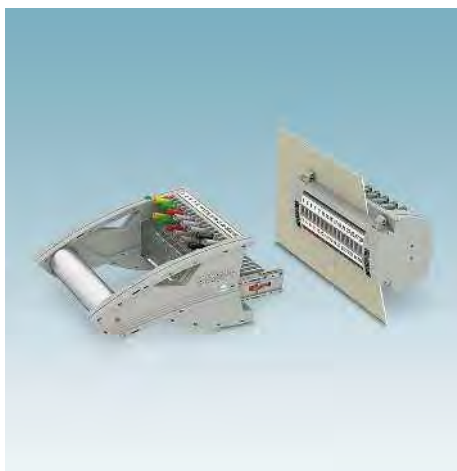
Plug-in test socket, blind plug

Type	Order No.	Required quantity
RSCWE 6-3/14	3969928	1
FBP 2/15	3069885	1
Plug-in bridge		
FBS 2-8	3030284	3

Test plug

	Type	Order No.	Required quantity
Rotary handle	FTPR 3/14S	3069957	1
Standard handle	FTP 3/14S	3069953	1
Plug-in bridge			
	FBS 3-8	3030297	2

Test disconnect sockets and test plugs, with ring cable lug connection



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

- The test terminal strips can be used universally for current and voltage transducers
- The test disconnect socket is mounted in the control cabinet door to save space
- Signal and status messages can be wired in combination in a test terminal strip
- The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the rotary handle
- All test signals are connected with touch-proof safety test cables (CAT III and CAT IV/1000 V in accordance with EN 61010-031)
- Star points of the current transformers can easily be created with wire bridges on the rear of the test disconnect socket
- You can find corresponding accessories from page 638

Notes:

- 1) Derating curve available on request.
- 2) Test surge voltage 5 kV.



30 A, plug-in test socket, wall mounting



Maximum electrical data

Rated data

Rated voltage	[V]	400 ²⁾
Nominal current / cross section	[A] / [mm ²]	24 ¹⁾ / 6
Rated cross section	[mm ²]	6
Cross section range	AWG	24 - 8

Connection capacity, DIN 46234

Cable lugs, DIN 46234	[mm ²]	0.5 - 10
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8

Connection capacity, DIN 46237

Cable lugs DIN 46237	[mm ²]	0.5 - 10
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8
Color code		red blue yellow

General data

Stripping length	[mm]	12
Tightening torque	[Nm]	1.5 - 1.8
Tightening torque for wall fastening	[Nm]	0.8 - 1
Panel thickness	[mm]	1 - 4
Tightening torque: test socket screw	[Nm]	-
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Description	Color
Test disconnect socket, 2-pos.	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14-pos.	gray
3 x 10-pos.	gray

Spacer plate, width: 8.2 mm	gray
Shoulder bag, for FAME connectors	black
Screwdriver	

Lateral groove labeling

Technical data

I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
30	400²⁾	0.5 - 10	20-8
IEC 60947-7-1	UL / CUL	CSA	IEC / EN 60079-7
400 ²⁾	600	600	-
24 ¹⁾ / 6	31	31 / -	-
6	-	-	-
24 - 8	20-8	20-8	-

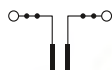
Ordering data

Type	Order No.	Pcs./Pkt.
RSCWE 6-3/2	3969917	1
RSCWE 6-3/3	3969918	1
RSCWE 6-3/4	3969920	1
RSCWE 6-3/5	3969921	1
RSCWE 6-3/6	3969922	1
RSCWE 6-3/7	3969923	1
RSCWE 6-3/8	3969924	1
RSCWE 6-3/9	3969925	1
RSCWE 6-3/10	3969926	1
RSCWE 6-3/11	3969915	1
RSCWE 6-3/12	3969927	1
RSCWE 6-3/13	3969916	1
RSCWE 6-3/14	3969928	1
RSCWE 6-3/3X10	3969929	1

Accessories

DP-RSCWE 6-3	3069314	1
SF-SL 0,8X4,0-100	1212551	10

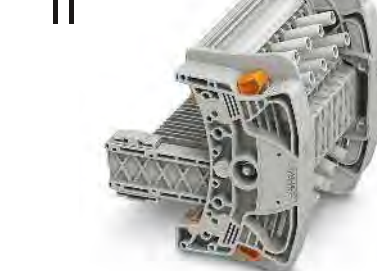
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)



20 A, test plug with rotary handle,
4 mm test sockets



20 A, test plug without rotary handle,
4 mm test socket



20 A, test plug, compact, incl. two test sockets
per position



Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
20	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
20	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

Technical data			
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
20	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	- / -	-
6	-	-	-
20 - 14	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

-
-
-
-
0.5 - 0.6
PA
V0

-
-
-
-
0.5 - 0.6
PA
V0

-
-
-
-
0.5 - 0.6
PA
V0

Ordering data		
Type	Order No.	Pcs./Pkt.
FTPR-3/4S	3069954	1
FTPR-3/5S	3069965	1
FTPR-3/6S	3069966	1
FTPR-3/7S	3069967	1
FTPR-3/8S	3069968	1
FTPR-3/9S	3069969	1
FTPR-3/10S	3069955	1
FTPR-3/11S	3069970	1
FTPR-3/12S	3069956	1
FTPR-3/13S	3069971	1
FTPR-3/14S	3069957	1

Ordering data		
Type	Order No.	Pcs./Pkt.
FTP-3/4S	3069950	1
FTP-3/5S	3069958	1
FTP-3/6S	3069959	1
FTP-3/7S	3069960	1
FTP-3/8S	3069961	1
FTP-3/9S	3069962	1
FTP-3/10S	3069951	1
FTP-3/11S	3069963	1
FTP-3/12S	3069952	1
FTP-3/13S	3069964	1
FTP-3/14S	3069953	1

Ordering data		
Type	Order No.	Pcs./Pkt.
FTPC-3/4S	3069930	1
FTPC-3/5S	3069935	1
FTPC-3/6S	3069936	1
FTPC-3/7S	3069937	1
FTPC-3/8S	3069938	1
FTPC-3/9S	3069939	1
FTPC-3/10S	3069931	1
FTPC-3/11S	3069940	1
FTPC-3/12S	3069933	1
FTPC-3/13S	3069941	1
FTPC-3/14S	3069932	1

Accessories		
FAME-BAG 260	3069520	1
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		

Accessories		
FAME-BAG 260	3069520	1
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		

Accessories		
FAME-BAG 260	3069520	1
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		

Sector-specific solutions

Solutions for protection and control engineering

Isolating and service test plugs

Specific test operations can be performed using service plugs



Isolating plug 1- ... 4-pos.



Service test plug 1- ... 4-pos.



		Technical data			
Maximum electrical data		I _{max.} [A]	U _{max.} [V]	max. Ø [mm²]	AWG (UL)
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / -	-	-	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	-	-	-
General data					
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Description	Color
Isolating plug, 1-pos.	green
2-pos.	red
3-pos.	red
4-pos.	red
Service test plug, 1-pos., with test sockets	red
2-pos., without test sockets	red
3-pos., without test sockets	red
4-pos., without test sockets	red

Lateral groove labeling

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

Accessories	
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)	

		Technical data			
Maximum electrical data		I _{max.} [A]	U _{max.} [V]	max. Ø [mm²]	AWG (UL)
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data		
Type	Order No.	Pcs./Pkt.
FTP-2/1 SERVICE	3069469	1
FTP-2/2 SERVICE	3069464	1
FTP-2/3 SERVICE	3069465	1
FTP-2/4 SERVICE	3069468	1

Accessories	
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Cover profile and blind plugs

The sealable cover protects against unauthorized actuation



Transparent cover profile
for use with isolating plugs



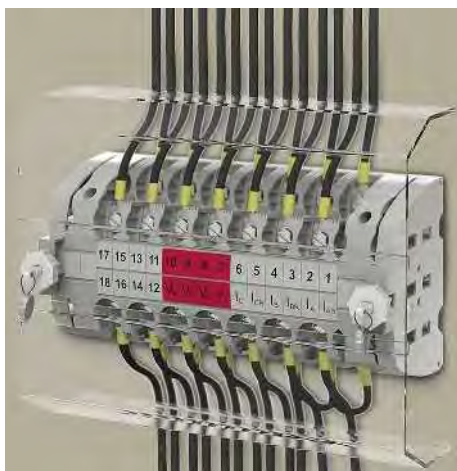
Blind plug 4- ... 14-pos.

General data		Technical data			Technical data		
Insulating material		PVC			PA		
Flammability rating in accordance with UL 94		V0			V0		
Description		Ordering data			Ordering data		
		Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover profile, sealable, 2-pos.	transparent	FBP-3/2 TR	3069926	1			
3-pos.	transparent	FBP-3/3 TR	3069927	1			
4-pos.	transparent	FBP-3/4 TR	3069922	1			
5-pos.	transparent	FBP-3/5 TR	3069928	1			
6-pos.	transparent	FBP-3/6 TR	3069929	1			
7-pos.	transparent	FBP-3/7 TR	3069945	1			
8-pos.	transparent	FBP-3/8 TR	3069946	1			
9-pos.	transparent	FBP-3/9 TR	3069947	1			
10-pos.	transparent	FBP-3/10 TR	3069924	1			
11-pos.	transparent	FBP-3/11 TR	3069948	1			
12-pos.	transparent	FBP-3/12 TR	3069923	1			
13-pos.	transparent	FBP-3/13 TR	3069934	1			
14-pos.	transparent	FBP-3/14 TR	3069925	1			
Blind plug, 4-pos.	gray				FBP-2/4	3069875	1
5-pos.	gray				FBP-2/5	3069876	1
6-pos.	gray				FBP-2/6	3069877	1
7-pos.	gray				FBP-2/7	3069878	1
8-pos.	gray				FBP-2/8	3069879	1
9-pos.	gray				FBP-2/9	3069880	1
10-pos.	gray				FBP-2/10	3069881	1
11-pos.	gray				FBP-2/11	3069882	1
12-pos.	gray				FBP-2/12	3069883	1
13-pos.	gray				FBP-2/13	3069884	1
14-pos.	gray				FBP-2/14	3069885	1
Lateral groove labeling		Accessories			Accessories		
		UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)			UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		

Sector-specific solutions

Solutions for protection and control engineering

Cover profile carrier



The test disconnect socket can be optionally protected against unauthorized actuation inside the control cabinet by means of a sealable cover.

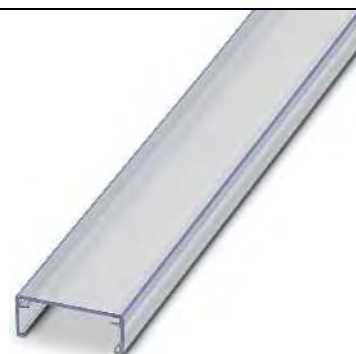


Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Cover profile carrier, sealable	gray	APH-RSCWE 6-3 CARRIER	3069058	10
Cover profile, supply length 1 m	transparent	AP-ME METER	3034361	10
Cover profile, supply length 1 m	transparent	AP RSC-T	3059139	10

Cover profiles for test plug or test terminal strip mounted on DIN rail



- The AP-FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit bridges on the completely assembled test plug
- To mount, gently release the side screw connection of the plug and snap the profile into place
- The APH-ME cover profile carrier is used in conjunction with the AP-ME cover for the DIN rail mounted test disconnect socket



General data		Technical data		
Material		PVC		
Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Cover profile, supply length 1 m	transparent	AP-FTP METER	3069899	1
Cover profile, supply length 1 m	transparent	AP-ME METER	3034361	10
Cover profile, supply length 1 m	transparent	AP RSC-T	3059139	10
Cover profile carrier, sealable, for AP-ME cover profile	gray	APH-ME	3034374	10
Cover profile holder, can be snapped on and sealed	gray	APH-UTWE 6-2	3069057	10

Spacer plate

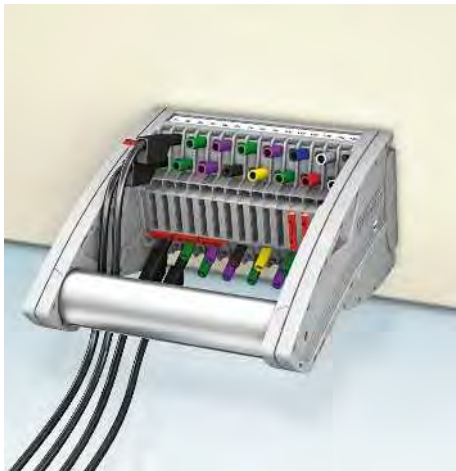


The optional latching panel inserts allow the test disconnect sockets to be installed in existing panel cutouts.



Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Spacer plate, width: 8.2 mm	gray	DP-RSCWE 6-3	3069314	1

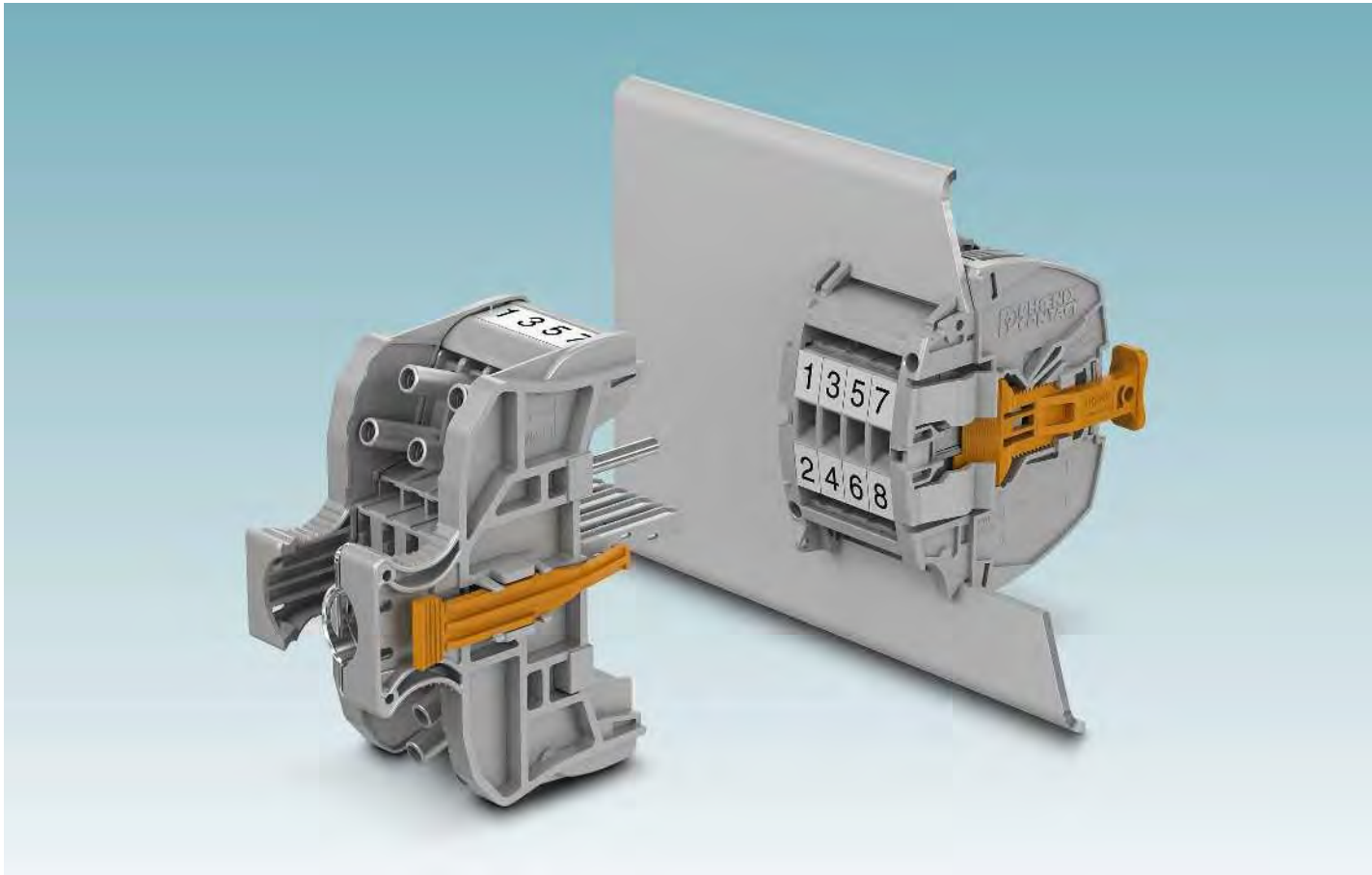
Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation in accordance with EN 61010-031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets



Description		Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.
Test socket, insulated	transparent	PSBJ-URTK 6 FARBLOS	3026450	10
	red	PSBJ-URTK 6 RD	3026719	10
	blue	PSBJ-URTK 6 BU	3026434	10
	yellow	PSBJ-URTK 6 YE	3026405	10
	green	PSBJ-URTK 6 GN	3026418	10
	violet	PSBJ-URTK 6 VT	3026421	10
	black	PSBJ-URTK 6 BK	3026447	10
	gray	PSBJ-URTK 6 GY	3026612	10
	brown	PSBJ-URTK 6 BN	3026971	10
	white	PSBJ-URTK 6 WH	3026448	10

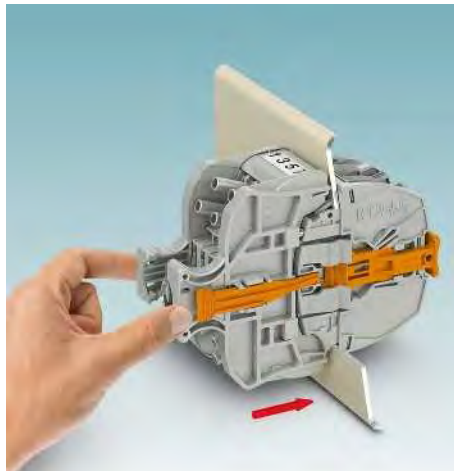


FAME 3 SL combines complex switching operations for function tests of current and voltage transformers, as well as tripping and signal contacts, in separate space-saving blocks of various colors. The system operates in accordance with the N/C contact principle. An operating plug is not required. The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

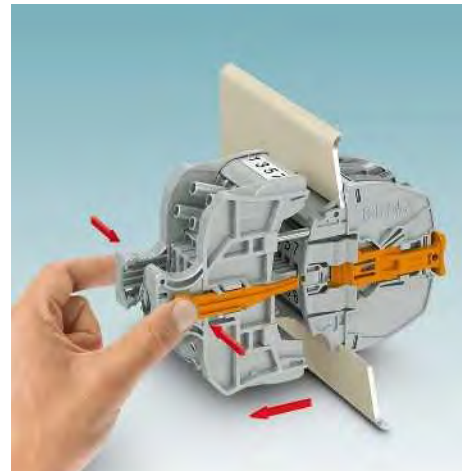
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The plug-in test socket positioned in the cutout is latched in place without screws by pressing on the two orange actuating elements.

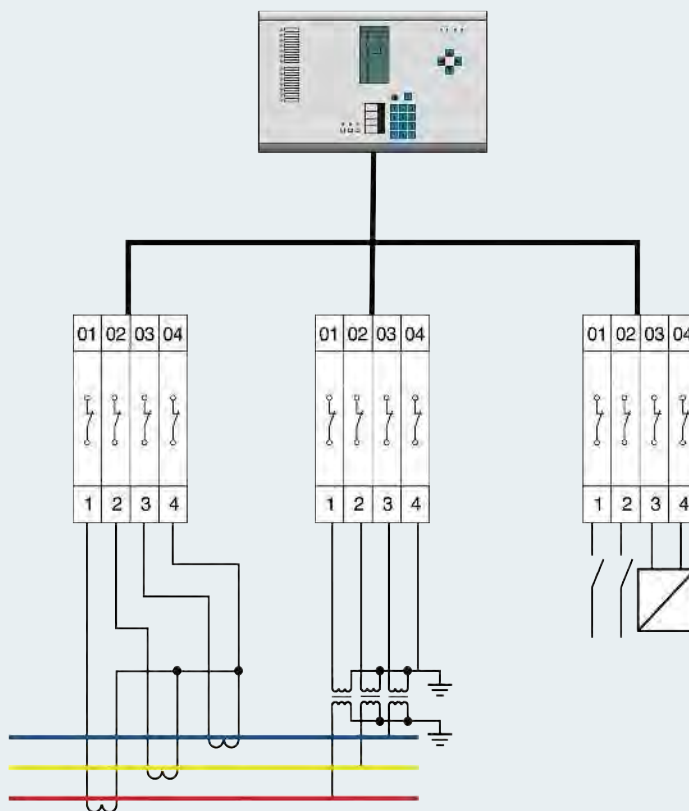


By plugging in and latching the test plug, all test contacts are securely contacted in accordance with the test setup.

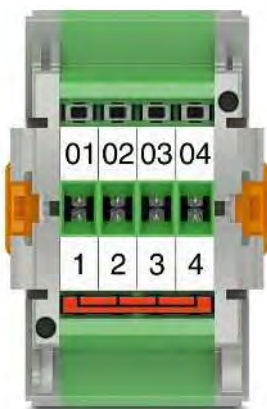


The latching is released by actuating the orange lever. Unplugging the test plug will restore the original signal connections.

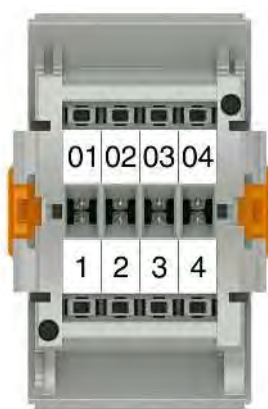
Mains protection – Switching example with sequential switching sequence



Plug-in test socket for current transformer connection



Plug-in test socket for voltage transducers



Plug-in test socket for power supply and signals



Plug-in test socket, test plug, cover

Type	Order No.	Required quantity
RSCWE 6-3/4SL GN	1029997	1
FTP-3/4SL GN	1030003	1
FBP-3/4SL	1030010	1
Plug-in bridge		
FBS 4-8	3030307	1

Type	Order No.	Required quantity
RSCWE 6-3/4SL	1029994	1
FTP-3/4SL	1030004	1
FBP-3/4SL	1030010	1

Type	Order No.	Required quantity
RSCWE 6-3/4SL	1029994	1
FTP-3/4SL	1030004	1
FBP-3/4SL	1030010	1

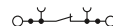
Snap-Lock plug-in test system



- Quick and simple realization of even small-position protection and measurement applications
- Contact technology identical to that of the FAME 3 system
- SL versions feature simple, screw-free mounting combined with a compact design
- Ideal safety during operation thanks to coded protection against reverse polarity
- Current transformer applications are realized with green plug-in test socket, voltage transformer circuits with the gray versions
- Simple disconnection at all times for service and maintenance work

Notes:

- 1) Derating curve available on request.
- 2) Test surge voltage 5 kV.



30 A, plug-in test socket, wall mounting



Technical data

Maximum electrical data		Technical data			
Rated data		I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
Rated voltage		30	400 ²⁾	0.5 - 10	20-8
Nominal current / cross section		IEC 60947-7-1	UL / CUL	CSA	IEC/EN 60079-7
Rated cross section		400 ²⁾	600	600	-
Cross section range		24 ¹⁾ / 6	31	31 / -	-
Connection capacity, DIN 46234		6	-	-	-
Cable lugs, DIN 46234		24 - 8	20-8	20-8	-
Connection bolt / hole diameter / width		4.1 / 4.3 / 8	4.1 / 4.3 / 8	4.1 / 4.3 / 8	4.1 / 4.3 / 8
Connection capacity, DIN 46237		0.5 - 10	0.5 - 10	0.5 - 10	0.5 - 10
Cable lugs DIN 46237		4.1 / 4.3 / 8	4.1 / 4.3 / 8	4.1 / 4.3 / 8	4.1 / 4.3 / 8
Connection bolt / hole diameter / width		1.00 mm²	1.00 mm²	1.00 mm²	1.00 mm²
Color code		red	red	red	red
		blue	blue	blue	blue
		yellow	yellow	yellow	yellow
General data		12	1.5 - 1.8	1 - 4	-
Stripping length		[mm]	[Nm]	[mm]	[Nm]
Tightening torque		1 - 4	-	PA	V0
Panel thickness		-	-	-	-
Tightening torque: test socket screw		-	-	-	-
Insulating material		-	-	-	-
Flammability rating in accordance with UL 94		-	-	-	-

Description	Color
Test terminal strip, 4-pos.	gray
4-pos.	green
6-pos.	Green/blue
6-pos.	transparent

Isolating plug, 1-pos.	green
2-pos.	red
3-pos.	red
4-pos.	red

Service test plug, 1-pos., with test sockets	
2-pos., without test sockets	red
3-pos., without test sockets	red
4-pos., without test sockets	red
Shoulder bag, for FAME connectors	black

Screwdriver

Lateral groove labeling

Ordering data

Type	Order No.	Pcs./Pkt.
RSCWE 6-3/4SL	1029994	1
RSCWE 6-3/4SL GN	1029997	1
RSCWE 6-3/6SL GN/BU	1090786	1

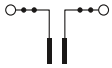
Accessories

FIP-3/1 SERVICE	3069921	1
FIP-3/2 SERVICE	3069920	1
FIP-3/3 SERVICE	3069312	1
FIP-3/4 SERVICE	3069313	1

FTP-2/1 SERVICE	3069469	1
FTP-2/2 SERVICE	3069464	1
FTP-2/3 SERVICE	3069465	1
FTP-2/4 SERVICE	3069468	1

SF-SL 0,8X4,0-100	1212551	10
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UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		
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new



20 A, test plug, 4 mm test socket

new



Transparent cover profile



Technical data

I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
20	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	600	-	-
20 / 2.5	31	-	-
6	-	-	-
20 - 14	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

Technical data

		max. Ø [mm²]	AWG (UL)
		-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

-
-
-
0.5 - 0.6
PA
V0

-
-
-
-
PVC
V0

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-3/4SL	1030004	1
FTP-3/4SL GN	1030003	1
FTP-3/6SL GN/BU	1090787	1

Ordering data

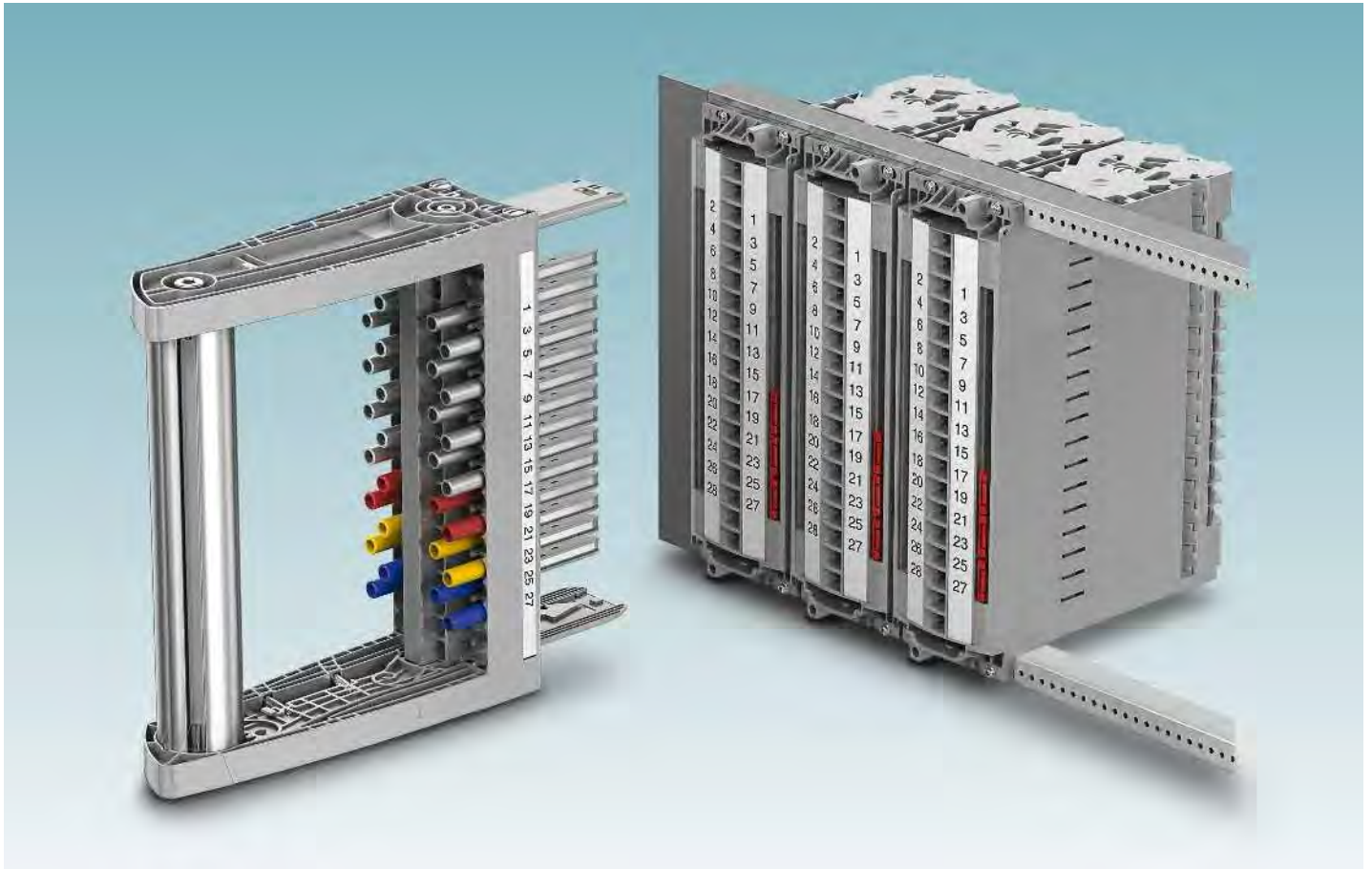
Type	Order No.	Pcs./Pkt.
FBP-3/4SL	1030010	1
FBP-3/6SL	1090788	1

Accessories

FAME-BAG 260	3069520	1

Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R
(see Catalog 3)



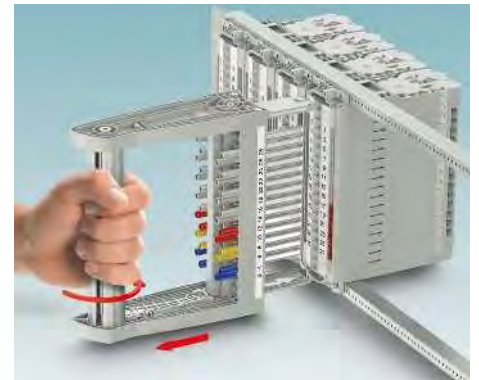
FAME 3 Rack, the plug-in test system without operating plug, combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts, into just one compact and space-saving block. The system operates in accordance with the N/C 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. The design is intended for easy mounting in 19" racks in accordance with IEC 60927-3-101 in two, three and four rack units. One 19" rack can accommodate up to eight plug-in test sockets with a width of 50 mm.



By plugging in and latching the test plug, all test contacts are securely contacted in accordance with the test setup.



The test plug is unlatched by rotating the handle through 45° up to the stop. The test plug can then be pulled out to the intermediate position. The current converter contacts are reconnected with the protective device.



Only after springing the rotary handle back into the starting position can the plug be pulled out completely. The original signal connections are reestablished.



Programmed short-circuit and switching operations are generated by consistent insertion and removal of the test plug. Undefined contact states are effectively avoided thanks to the rotary handle mechanism.



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



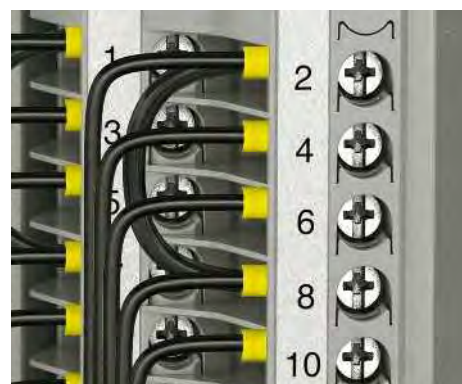
The short-circuit bridge can be covered and marked with standard marking material as an option.



Space saving, thanks to offset test socket arrangements. The test cables can be easily fixed in place with cable ties.



The plug-in test sockets feature BT connection technology with captive screws for ring and fork-type cable lugs.



A 2-conductor connection can be realized on the plug-in test socket contacts.



The star point bridges are realized with multi-position standard bridges from the CLIPLINE complete system



A sealable cover with screw connection protects against soiling and unauthorized access to the plug-in test socket.



An optional cover with status contact provides monitoring for the presence of a cover. Removing the cover interrupts the monitoring signal.

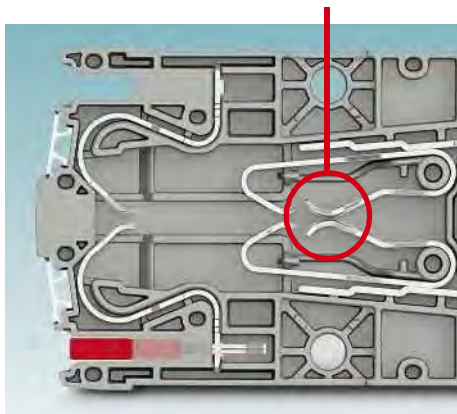
Modular 19" plug-in test system without operating plug and transformer short circuit in the plug-in test socket

The switch contact in the plug-in test socket is an N/C contact. In normal operation the contact is closed.



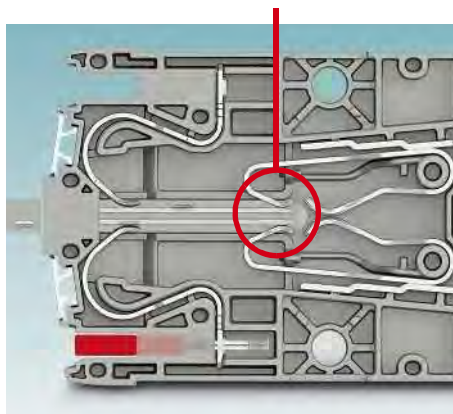
Normal operation

Closed switch contact



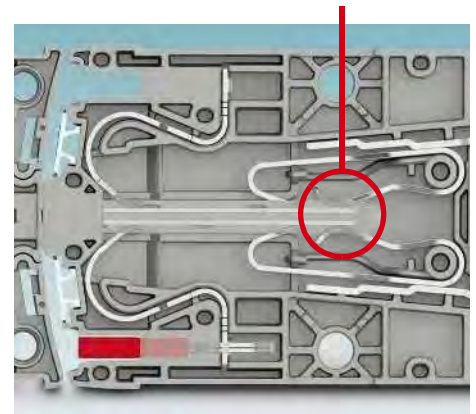
Transformer short circuit

Leading short circuit via auxiliary contact



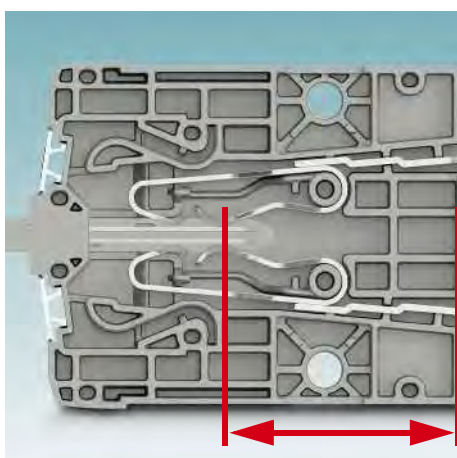
Test operation

Switch contact connected via test socket



Configurable switching point

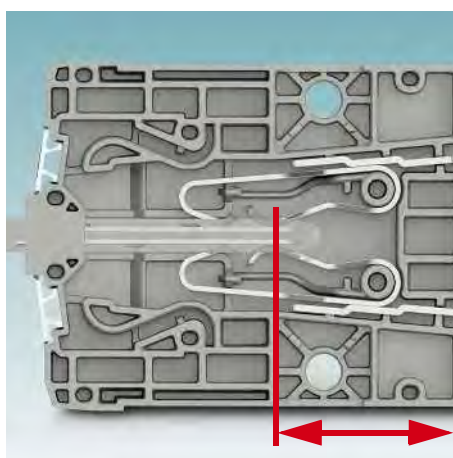
Early switching point



Contact in the top position (L-plate)

Due to the long clearance to the connection contact, "L-plates" are switched without delay when inserted.

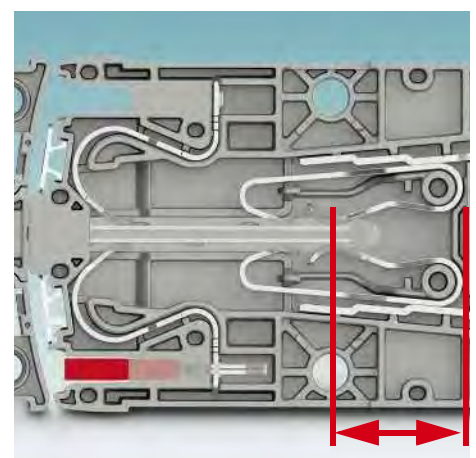
Delayed switching point



Contact in the middle position (M-plate)

Due to the medium clearance to the connection contact, "M-plates" are switched with a medium delay when inserted.

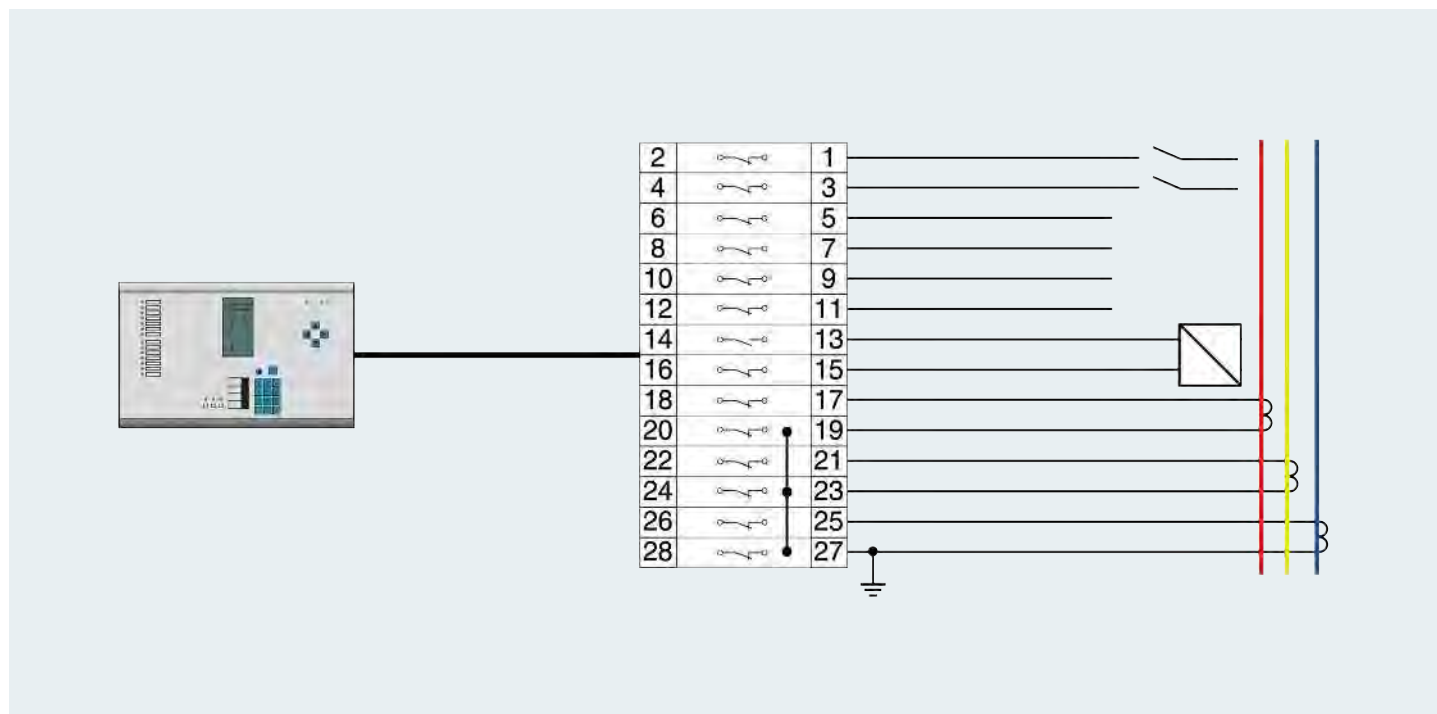
Late switching point



Contact in the bottom position (S-plate)

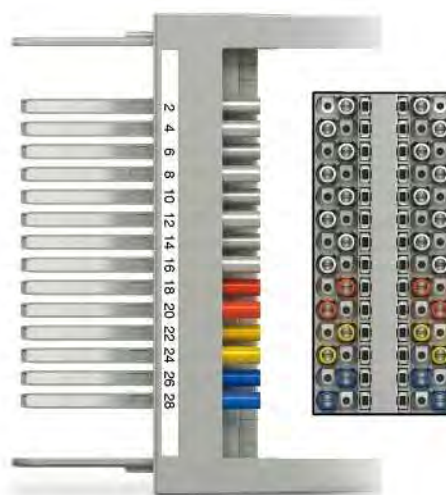
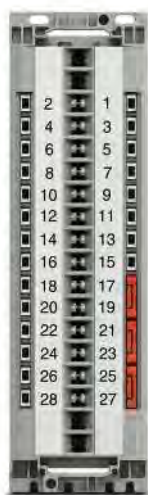
Due to the short clearance to the connection contact, "S-plates" are switched last with a large delay when inserted.

Mains protection – Circuit example with star point grounding in the plug-in test socket



Plug-in test socket for 19" mounting with current transformer, power supply, and signal contacts

Test plug with current transformer, power supply, and signal contacts



Plug-in test socket, blind plug

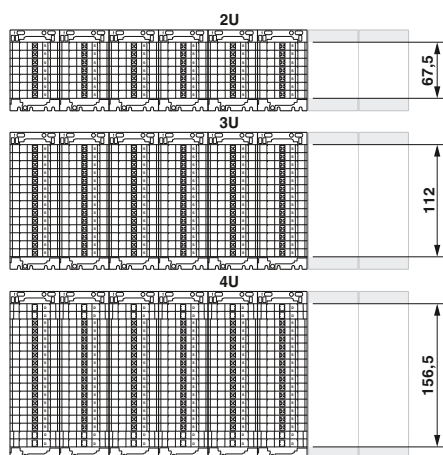
Type	Order No.	Required quantity
BTFE 6-3/14 4U AUX	1029025	1
FBP-3F/14 4U AUX	1029339	1
Plug-in bridge		
FBS 1/3/5-8	3032389	1
FBS 2-8	3030284	3

Test plug

Type	Order No.	Required quantity
FTP-3/14 4U	1029268	1

19" plug-in test sockets and test plugs

new



- Thanks to the modularity of the FAME 3 rack system, plug-in test sockets with two rack units and up to seven positions can be replicated
- Up to 12 positions with three rack units, up to 18 positions with four rack units
- Unused contacts are filed with dummy disks
- Dummy disks are not necessary when mounting directly in front plates or doors outside of the 19" format
- Extremely flexible plug-in test system with an overall width of just 50 mm



24 A, plug-in test socket, rack mounting

Maximum electrical data

Rated data

Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm ²]	24 / 6	-	-	-
Rated cross section	[mm ²]	4	-	-	-
Cross section range	AWG	24 - 10	-	-	-

Connection capacity, DIN 46234

Cable lugs, DIN 46234	[mm ²]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	3.5 / 3.7 / 6.8

Connection capacity, DIN 46237

Cable lugs DIN 46237	[mm ²]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	3.5 / 3.7 / 6.8
Color code		red 1.00 mm ² blue 2.50 mm ² yellow 6.00 mm ²

General data

Tightening torque	[Nm]	1 - 1.3
Tightening torque: test socket screw	[Nm]	-
Insulating material		PC
Flammability rating in accordance with UL 94		V0

Technical data

I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
24	400	0.5 - 6	-
IEC 60947-7-1	UL / CUL	CSA	IEC / EN 60079-7

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plug-in test socket, 7-pos., 2 rack units	gray	BTFE 6-3/7 2U	1029245	1
8-pos.	gray	BTFE 6-3/8	1029246	1
12-pos., 3 rack units	gray	BTFE 6-3/12 3U	1029249	1
12-pos., 3 rack units, with status contact	gray	BTFE 6-3/12 3U AUX	1029250	1
14-pos.	gray	BTFE 6-3/14	1029252	1
14-pos., 4 rack units	gray	BTFE 6-3/14 4U	1029251	1
14-pos., with status contact	gray	BTFE 6-3/14 AUX	1029253	1
14-pos., 4 rack units, with status contact	gray	BTFE 6-3/14 4U AUX	1029025	1
18-pos., 4 rack units	gray	BTFE 6-3/18 4U	1029255	1

Accessories

Shoulder bag, for FAME connectors	black		
Screwdriver		SF-SL 0,8X4,0-100	1212551 10
Marking		UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)	
		UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)	





new



20 A, test plug, 4 mm test sockets



new



Blind plug, 7- to 18-pos.

new



24 A, blind plug, with status contact

Technical data			
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
20	400	0.5 - 2.5	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
4	-	-	-
24 - 10	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

-
0.5 - 0.6
PC
V0

Ordering data		
Type	Order No.	Pcs./Pkt.
FTP-3F/7 2U	1029262	1
FTP-3F/8	1029263	1
FTP-3F/12 3U	1029267	1
FTP-3F/14	1029269	1
FTP-3F/14 4U	1029268	1
FTP-3F/18 4U	1029273	1

Accessories		
FAME-BAG 260	3069520	1
UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)		

Technical data			
		max. Ø [mm²]	AWG (UL)
		-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

-
-
PC
V0

Ordering data		
Type	Order No.	Pcs./Pkt.
FBP-3F 2U	1029275	1
FBP-3F/8	1029278	1
FBP-3F 3U	1029276	1
FBP-3F/14	1029280	1
FBP-3F 4U	1029279	1

Accessories		
FAME-BAG 260	3069520	1
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		
UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)		

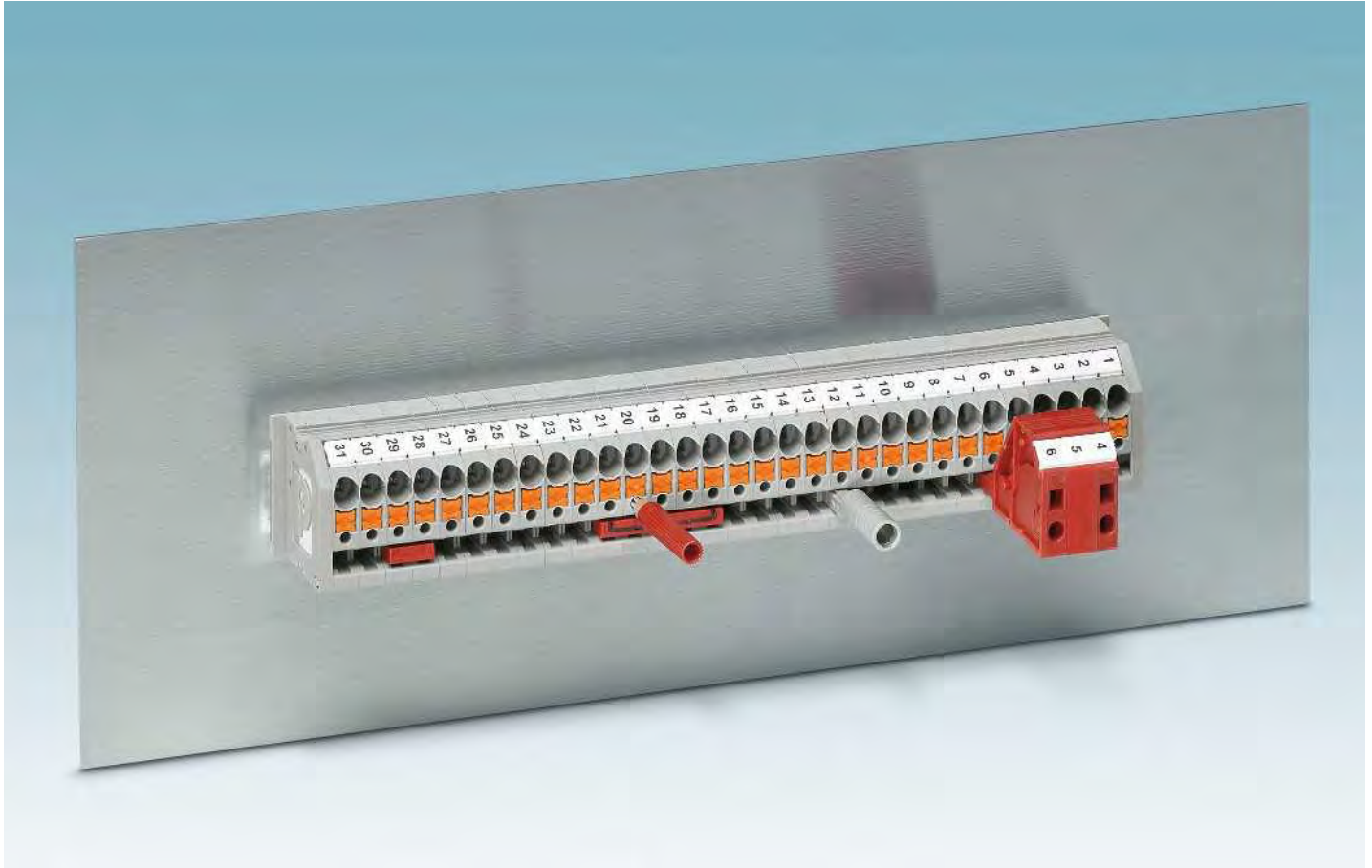
Technical data			
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
24	250	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
24 / 6	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
- / - / -	-	-	-
-	-	-	-
- / - / -	-	-	-

-
-
PC
V0

Ordering data		
Type	Order No.	Pcs./Pkt.
FBP-3F/12 3U AUX	1029337	1
FBP-3F/14 AUX	1029338	1
FBP-3F/14 4U AUX	1029339	1

Accessories		
FAME-BAG 260	3069520	1
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		
UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)		

PT-WE ... panel feed-through terminal blocks

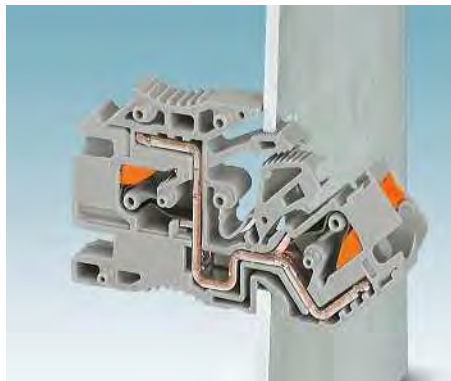


i Your web code: #0456



Feed-through terminal blocks in miniature format

The compact PT 4-WE feed-through terminal blocks are tailored towards the cramped conditions in network protection devices. The connection cross section of 4 mm² is achieved with an internal dimension of just 22 mm. The patented latching principle is used in the panel cutout for easy fastening.



Universal thanks to modular design

PT 4-WE feed-through terminal blocks have a modular design. They can be easily connected to form terminal strips with different numbers of positions. They are finished off with cover elements which cover the rest of the opening in the panel cutout. Alternatively, pre-assembled terminal strips with up to 20 positions are also available.



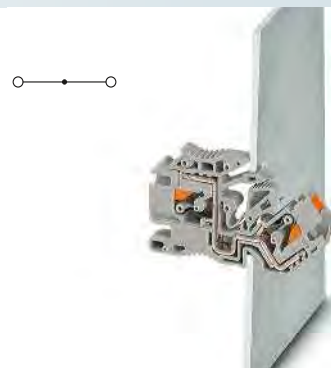
Push-in connection technology

The conductor connection is established directly, quickly, and easily. This saves a huge amount of time, particularly when carrying out internal device wiring at the factory. The Push-in connection also provides tangible benefits when it comes to the outside of the device. Furthermore, operation is easier thanks to the standardized accessories from the CLIPLINE complete system.

PT 4-WE feed-through terminal blocks

The PT 4-WE series of feed-through terminal blocks is designed for the requirements that arise when connecting current and voltage transformers.

- Primarily intended for network protection devices
- Can be installed in all panel cutouts with a sheet thickness of up to 2.5 mm
- Quick and easy fastening thanks to the patented latch
- Actuation with standard screwdriver



Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]
Rated cross section	[mm ²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm ²]
2 flexible conductors with a TWIN ferrule	[mm ²]
Connection cross sections directly plug-in	[mm ²]
General data	
Stripping length	[mm]
Panel thickness	[mm]
Insulating material	
Flammability rating in accordance with UL 94	

Technical data			
Width	Length	Height	
7.6	51.1	26.9	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
30	500	0.14 - 4	24-10
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24 / 4	25	25 / -	-
2.5	-	-	-
26 - 12	24-10	24-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
-	-	-	0.5 - 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10 - 12			
1 - 2.5			
PA			
V0			

Description	Color
Panel feed-through terminal block	gray
Terminal block, with cover on both sides, 1-pos.	gray
2-pos.	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14-pos.	gray
15-pos.	gray
16-pos.	gray
17-pos.	gray
18-pos.	gray
19 pos.	gray
20-pos.	gray

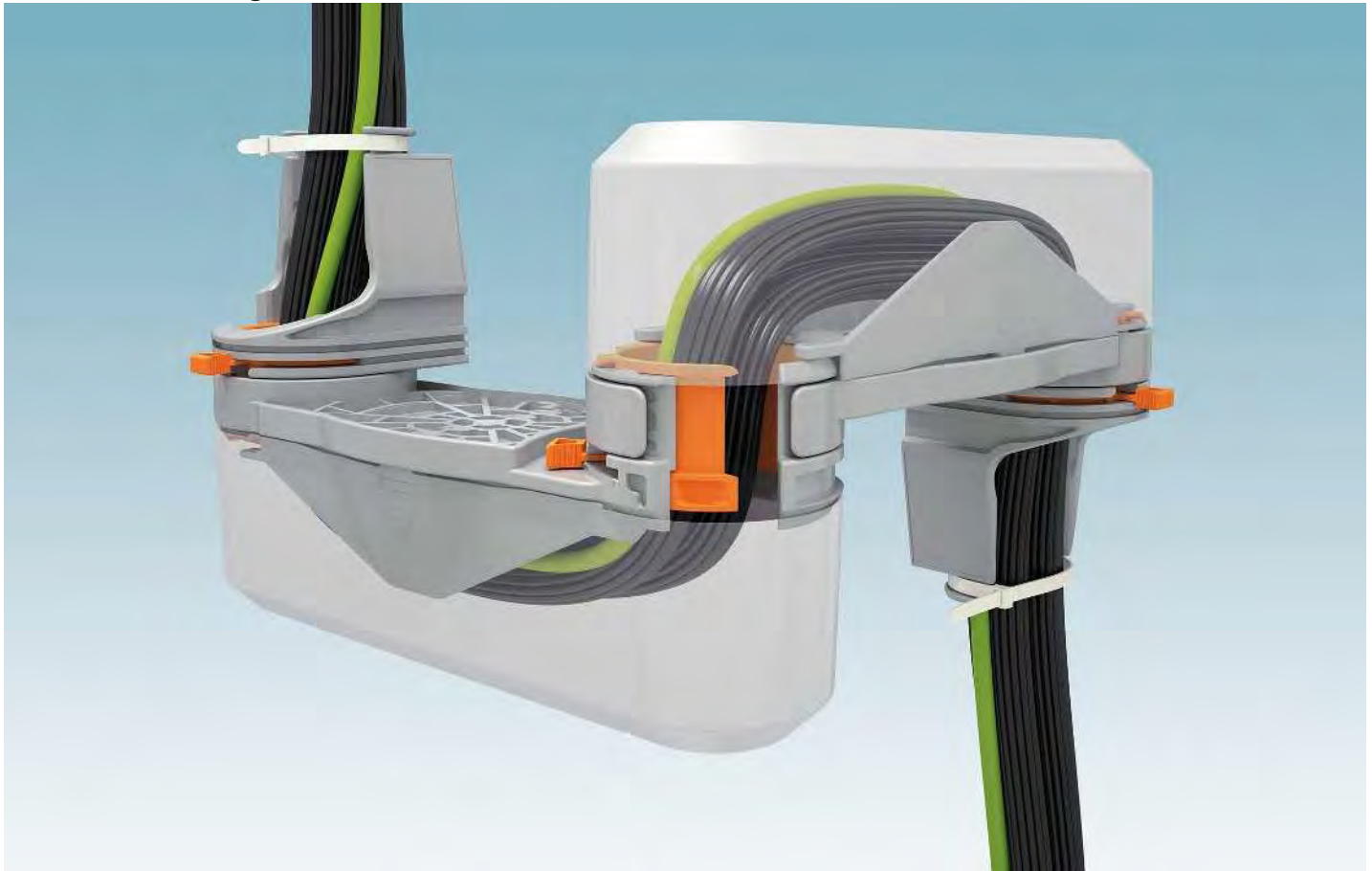
Cover, 5 mm width, alignable left and right gray

Lateral groove labeling

Ordering data			
Type	Order No.	Pcs./Pkt.	
PT 4-WE	3044900	50	
PT 4-WE/1	3044906	25	
PT 4-WE/2	3044907	25	
PT 4-WE/3	3044908	25	
PT 4-WE/4	3044909	25	
PT 4-WE/5	3044910	25	
PT 4-WE/6	3044911	10	
PT 4-WE/7	3044912	10	
PT 4-WE/8	3044913	10	
PT 4-WE/9	3044914	10	
PT 4-WE/10	3044915	10	
PT 4-WE/11	3044916	5	
PT 4-WE/12	3044917	5	
PT 4-WE/13	3044918	5	
PT 4-WE/14	3044919	5	
PT 4-WE/15	3044920	5	
PT 4-WE/16	3044921	5	
PT 4-WE/17	3044922	5	
PT 4-WE/18	3044923	5	
PT 4-WE/19	3044924	5	
PT 4-WE/20	3044925	5	

Accessories		
D-PT 4-WE	3044902	25
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)		

Line and cable routing for the control cabinet door



The swivel arm of the cable guiding system makes it particularly easy and safe to install your conductors, cables, and cable harnesses for the control cabinet door or swivel mounting frame. This solution saves time, as the patent-pending swivel joints can be opened and pre-assembled cables can be fed through or pulled through without using any tools.

i Your web code: **#1146**



Tool-free opening and closing of swivel joints

The orange swivel link allows you to open the swivel joints without using any tools. Installing and pulling through cables is quite simple.



Easy cable routing of pre-assembled data cables

The cable guiding system is designed for standard data cables. The wires will not be damaged, even after opening and closing 2000 times. This is made possible by using large bending radii and defined movements.



Safe cable routing for test disconnect sockets

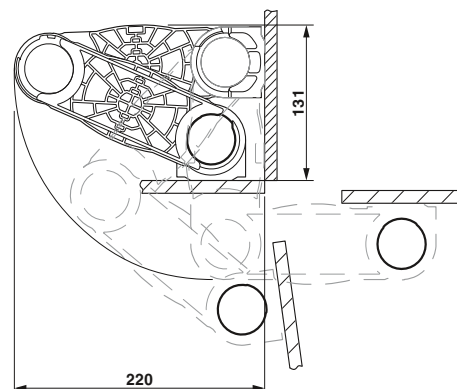
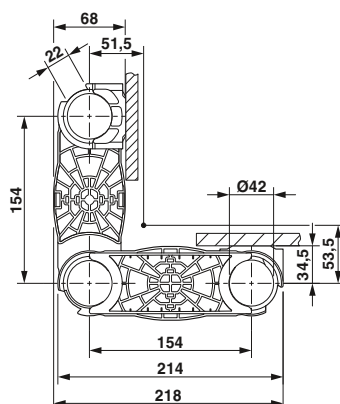
To enable monitoring and operation from outside, devices and test disconnect sockets like FAME are mounted in the control cabinet door in protection and control engineering applications.

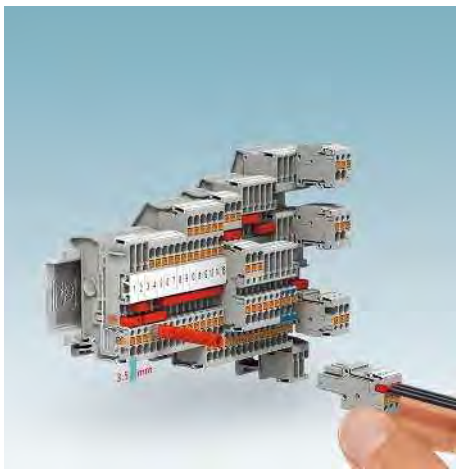


- Subsequent wiring can be performed quickly and easily via the rotating blisters which can be operated without tools
- Cable routing for the control cabinet door can be planned with the CAD system using the defined installation space and swivel range
- Quick and easy mounting, thanks to integrated flanges with strain relief
- Mechanical cable protection and bundling, thanks to covering hoods that can be attached without tools
- Secure with M5 tapping screws



Accessories		
CGS-AH 50 SET	3071410	1





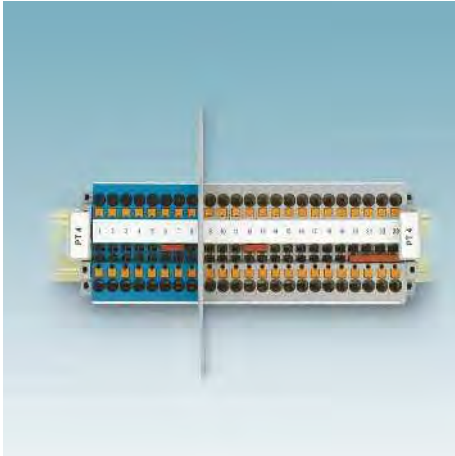
The PT 1,5/S series enables the space-saving and time-saving wiring of signals. With a terminal width of just 3.5 mm, solutions that can be disconnected and plugged in are available in addition to the wide range of feed-through terminal blocks.



With double-level knife disconnect terminal blocks, you can fit up to 572 signals in one meter. The clear color assignment of the disconnect element to the wiring level prevents errors that could occur if the wrong signal circuit were opened.



The comprehensive range of disconnect and fuse terminal blocks offers numerous solutions for potentially explosive areas. All common protection concepts are included.



In addition to being used in applications with increased safety (Ex e), Phoenix Contact terminal blocks can also be used in intrinsically safe circuits. Blue versions are available for identification. Intrinsically safe and non-intrinsically safe circuits can be separated using corresponding partition plates.



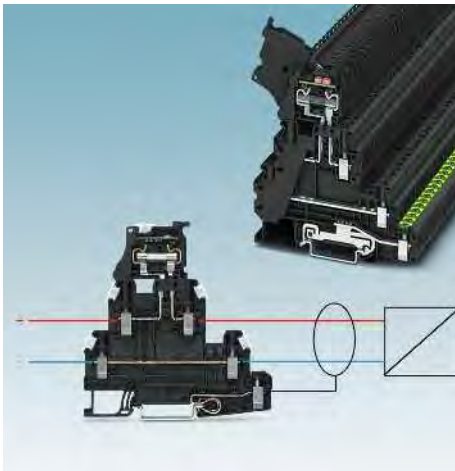
The PTRV ... marshalling terminal is designed for signal and potential distribution applications with increased packing density. Due to its compact length and color-coded design, it is the ideal basis for user-friendly wiring.

For marshalling terminals, see from page 46.



For efficient wall and DIN rail mounting, the modular system of the PTMC marshalling patchboard enables customer-specific and color-true marshalling with any number of positions.

For marshalling patchboards, see from page 57.

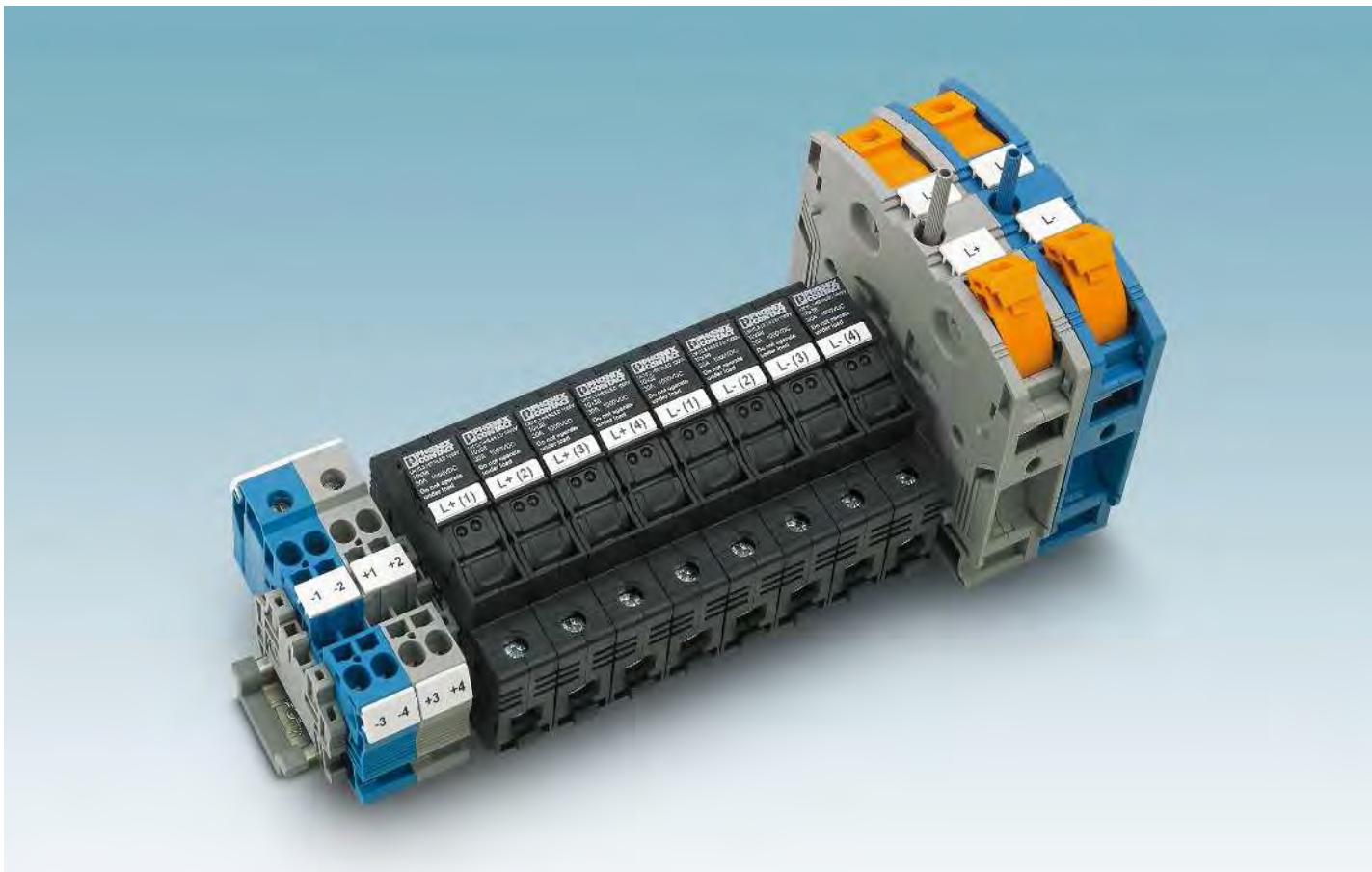


By combining the fuse lever, feed-through, and PE foot, shielded signal circuits can be reliably wired in a single terminal block.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.





In the mix of renewable energies consisting of wind power, hydropower, biomass, and geothermal energy, solar power in Germany, for example, has taken the leading position. Throughout the world, solar power generation offers the greatest potential and has enjoyed the most widespread acceptance.

While standard products can be used in the AC area of a solar system, a more specific approach is required for the DC area as a result of its special structure and characteristics. In order to keep cable losses to a minimum, PV panels are connected to strings, thereby increasing the system voltage. Off-load voltages of PV systems can reach up to 1000 V DC / 1500 V DC.

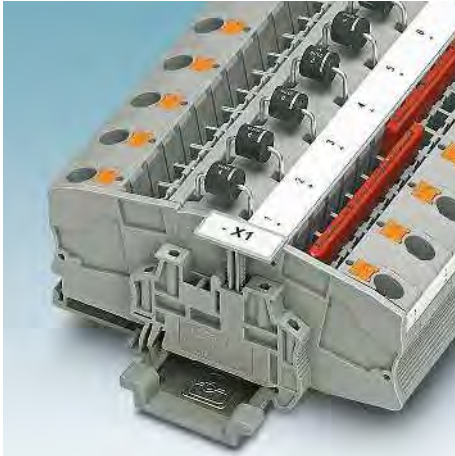
These high DC voltages place particular demands on the components used.

In contrast to AC voltage, the DC voltage that is present allows creepage distances to be created very easily on the surface of insulating elements. The components used in this area must therefore have increased air clearances and creepage distances.

In order to limit reverse currents which can occur in the event of a short circuit, the individual strings are protected. With crystalline modules, fuses are primarily used for this, while with thin-film modules, blocking diodes are installed in the circuit.

Modular terminal blocks and fuses from Phoenix Contact cleverly meet the special requirements of photovoltaic systems. You will find a summary of all components in the “Components and systems for photovoltaics” brochure.

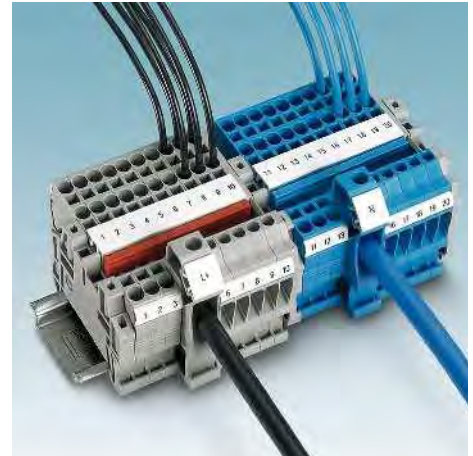
The photovoltaic terminal blocks can be found in the relevant sections on the respective connection technologies.



The STME 6-DIO HV and PTME 6-DIO HV diode terminal blocks serve as line diodes and are used in thin-film photovoltaic systems to prevent reverse currents. This means that the often sensitive thin-film modules are ideally protected to provide long-term stability.



Conductors with larger cross sections are used for the connection between device connection boxes and inverters due to their higher currents and longer cable lengths. UKH ... and RBO ... terminal blocks can accommodate conductors with a cross section of up to 300 mm².



The individual strings can be connected quickly while also saving space using potential collective terminals. The output side of the terminal blocks accommodates up to 35 mm² of conductor in a screw terminal point.

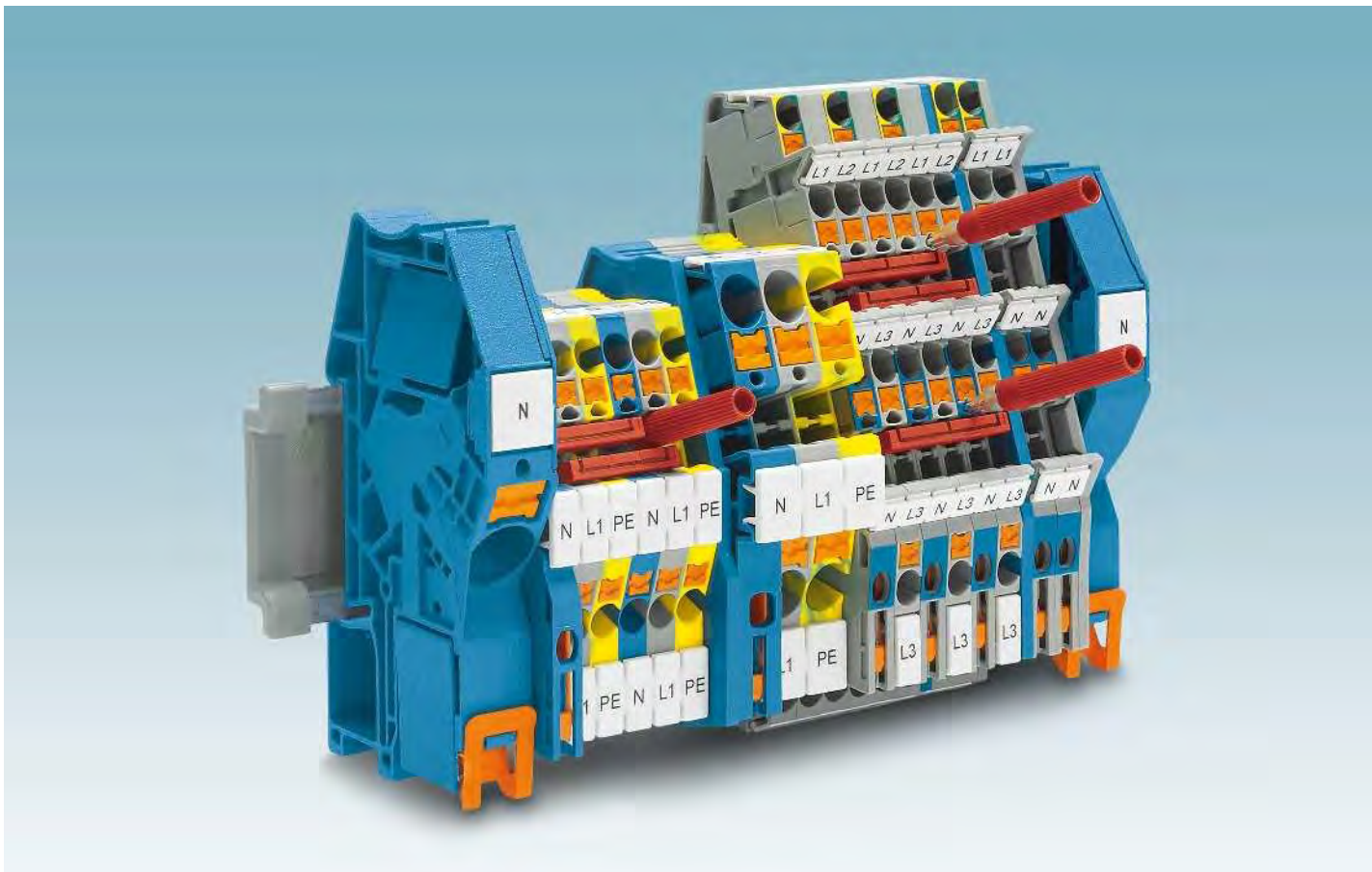


The DC line fuses have specially tailored, ultra-fast gPV characteristics. They can safely and continuously transmit at system voltages of 1000 V DC or 1500 V DC and up to 25 A, and protect strings against reverse currents in the event of an error.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.





Electrical installations in communal facilities such as schools, hospitals, assembly points, restaurants, and all public buildings must fulfil special normative requirements. Insulation resistances must be measured during startup or when servicing the system in accordance with DIN VDE 0108-100 (EN 50172) without directly disconnecting the neutral conductor. Installation terminal blocks from Phoenix Contact are precisely tailored to the requirements of electrical installations and distributor construction.

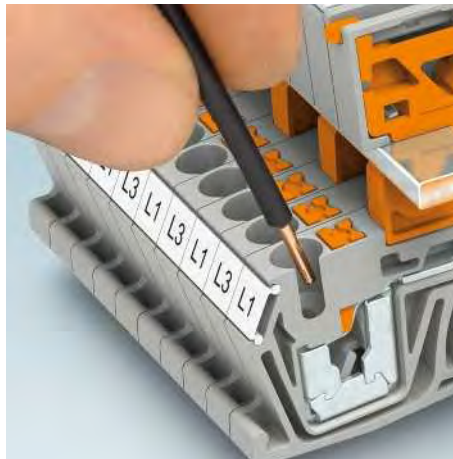
The neutral conductor can be conveniently separated for test purposes by means of a screwless, spring-loaded disconnect metal. Contact with the 3 x 10 mm standard profile can be achieved by simply swinging this open using a standard screwdriver. The disconnect slide locks into the end positions and the switching states are clearly signaled. These are sound prerequisites for the quick and safe testing of all versions. Potential can be multiplied easily, thanks to the double function shafts. Clearly visible marking surfaces and testing facilities at every terminal point ensure clarity, regardless of the mounting position.

Numerous versions with screw, spring-cage or Push-in technology are available for all applications, and all versions are completely compatible.

The installation terminal blocks can be found in the relevant sections on the respective connection technologies.



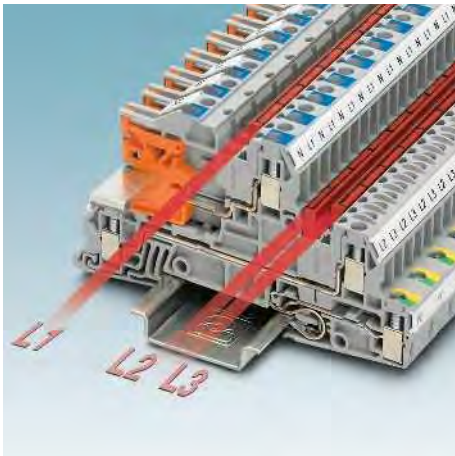
The screwless disconnect slide makes contact when it is simply slid onto the neutral busbar using a standard screwdriver. The switch position of the disconnect slide is clearly signaled.



PTI installation terminal blocks with Push-in connection can be wired without tools. Strip the conductors, plug them in, and you're done. This represents a clear advantage in terms of the time it takes to perform wiring. The terminal blocks can be released using the actuation lever made from insulation material.



All installation terminal blocks are equipped with test openings on every level. All measurements and testing can therefore be carried out quickly and easily, even when all function shafts are occupied.



Double function shafts on each level provide comprehensive potential distribution. Even three-phase connections can be implemented conveniently and in a compact space with an overall width of just 10 mm. Lateral distribution is performed with FBS ... plug-in bridges.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.

