

RT, RO bolt connection terminal blocks, and HV high-current connectors

The bolt connection terminal blocks have been developed with a particularly robust design and for the convenient wiring of ring cable lugs or fork-type cable lugs. A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All types of conductors up to 300 mm² can be wired securely and with long-term stability.

RT

The RT series is a part of the modular CLIPLINE complete range and is therefore flexible in use. The key feature of these terminal blocks is the hinged cover which can be swiveled open and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

All ring cable lugs can be connected in accordance with DIN 46234, DIN 46235 or DIN 46237.

 Your web code: #1401

RBO and HV

The RBO and HV series are particularly well suited to power connections and large conductor cross sections. They are just as well suited as feed-in terminals as they are as potential distributors. Thanks to the comprehensive range of accessories, such as the pick-off terminals with Push-in connection, the broadest range of circuits can be developed.

RT product range overview

2.5 mm²

Feed-through and ground terminal blocks	379
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6 mm²

Feed-through and ground terminal blocks	381
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Test disconnect terminal blocks	382
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35 mm²

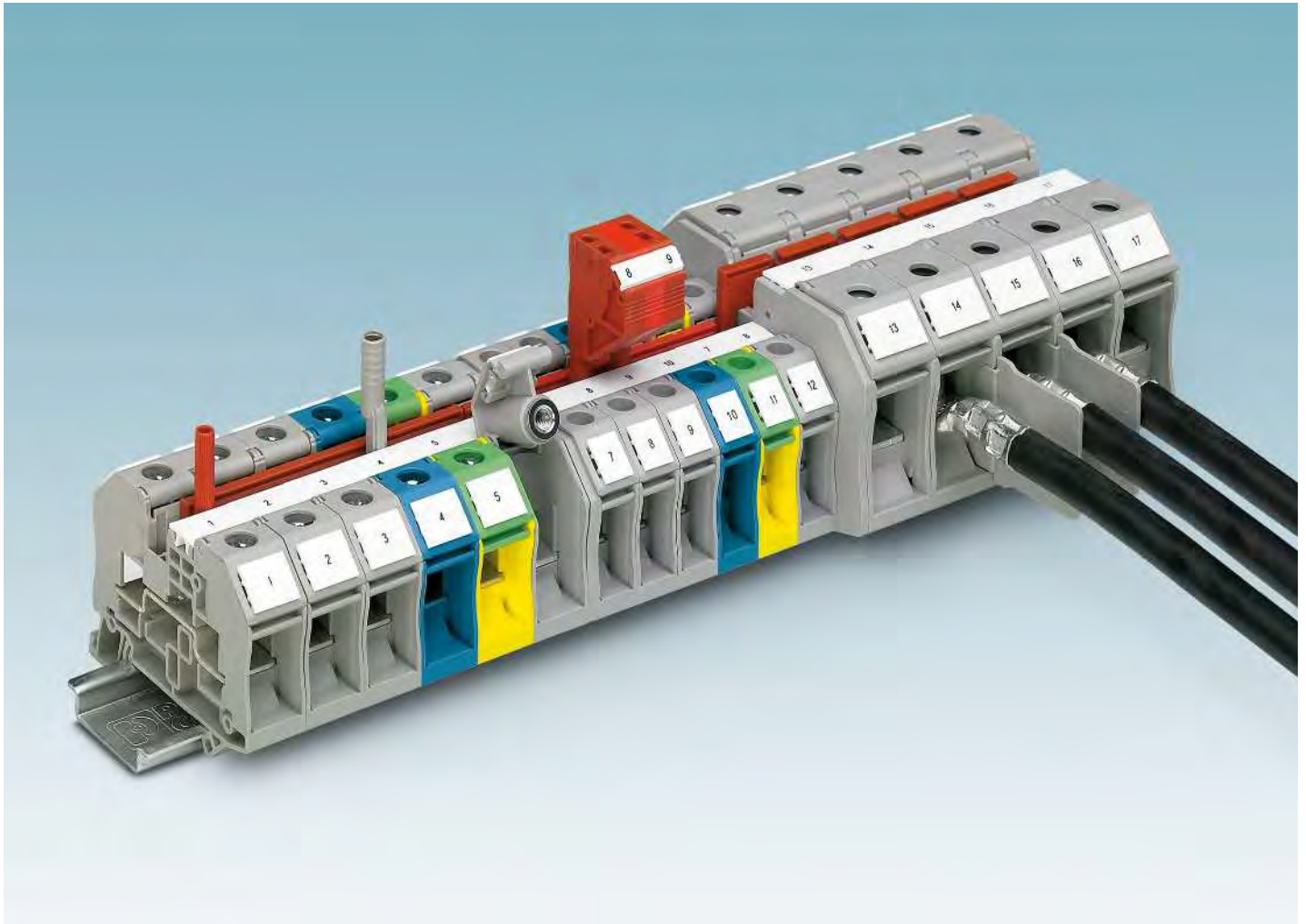
Feed-through terminal blocks	385
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RBO product range overview	386
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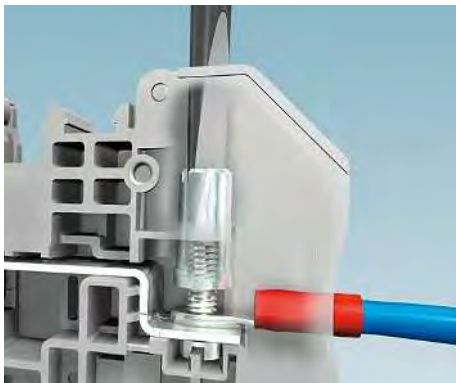
HV product range overview	395
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Terminal blocks – CLIPLINE complete

RT bolt connection terminal blocks



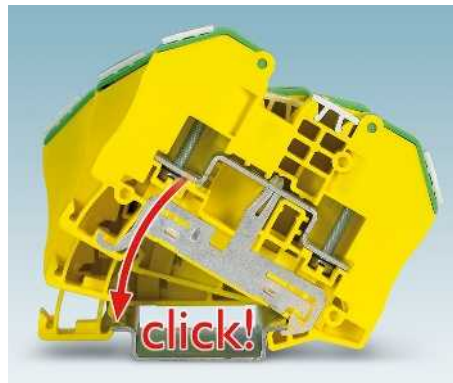
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Robust and zero-maintenance

The bolt connection method is used in numerous applications. The benefits are:

- Robust contact
- Zero maintenance thanks to integrated screw retention
- Multiple conductor connection



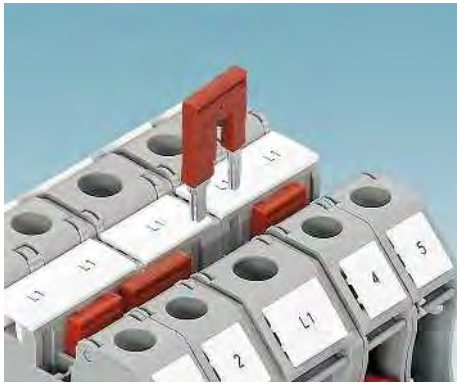
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

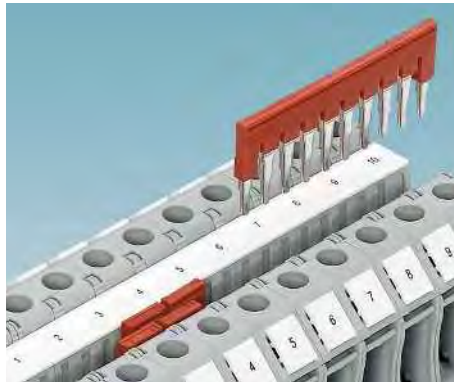


Flexible plug-in bridge system

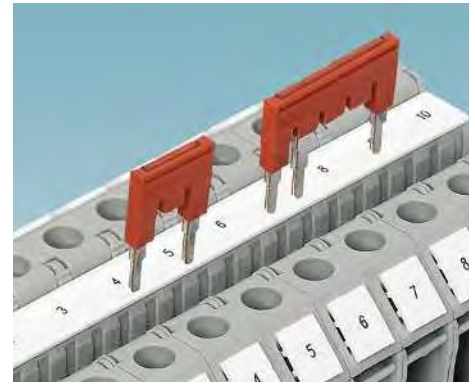
Potential can be distributed quickly using standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain and level bridging and bridging between non-adjacent terminal blocks possible.



The reducing bridge enables a simple connection of terminal blocks with different nominal cross sections, e.g., an RT 8 with an RT 3 terminal block. Power blocks can be created quickly using the reducing bridge.



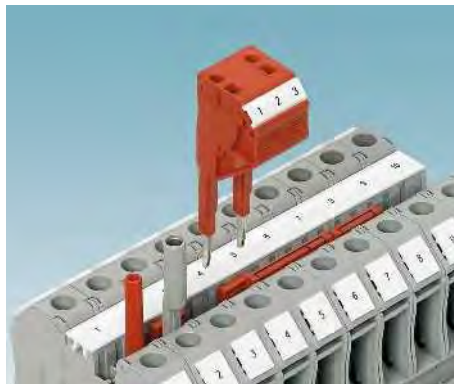
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



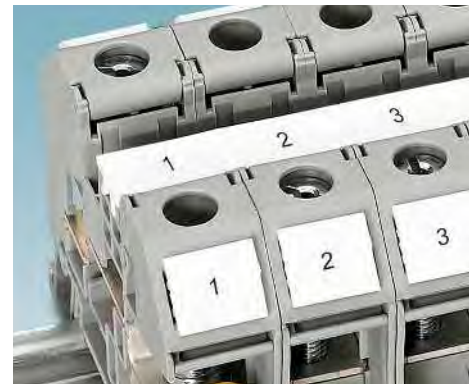
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.



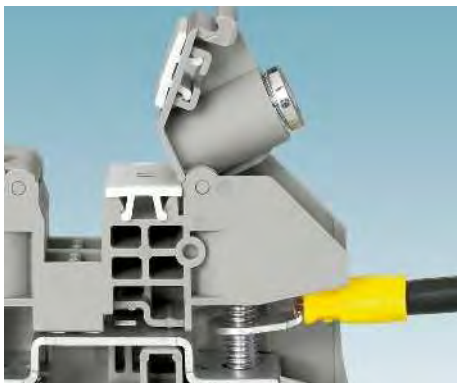
The RT 5-T is used in applications where the connections have to be separable. The feed-through can be opened or closed using a screwed disconnect slide without the contact points having to be released.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



Clear labeling can be easily produced with the RT terminal blocks. Large and clear marking in the middle of the terminal block guarantees reliable and quick installation.



The hinged cover typical of RT terminal blocks ensures finger protection when using an insulated cable lug. Connecting the conductor is also a much simpler process thanks to the retentive, integrated cap nut. Each terminal point can also be marked on the hinged cover itself.



The open RTO series has the same shape as the RT series. Instead of cap nuts, standard hexagonal nuts are used in the hinged cover. A version with a transparent cover ensures touch proofness. The right terminal block is therefore available for every application.



The RT and RTO terminal blocks can be wired with uninsulated cable lugs as well. These are fitted with BE-RT plug-on dividing panels to guarantee the high rated voltages.

Terminal blocks – CLIPLINE complete

2.5 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	2.5
Cross section range	AWG	26 - 14
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	1 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Color code		1.00 mm² red
Color code		2.50 mm² blue
General data		
Tightening torque	[Nm]	0.6 - 0.8
Bolt thread		M3
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Note: Additional or deviating data is listed alongside the respective product.

Notes:



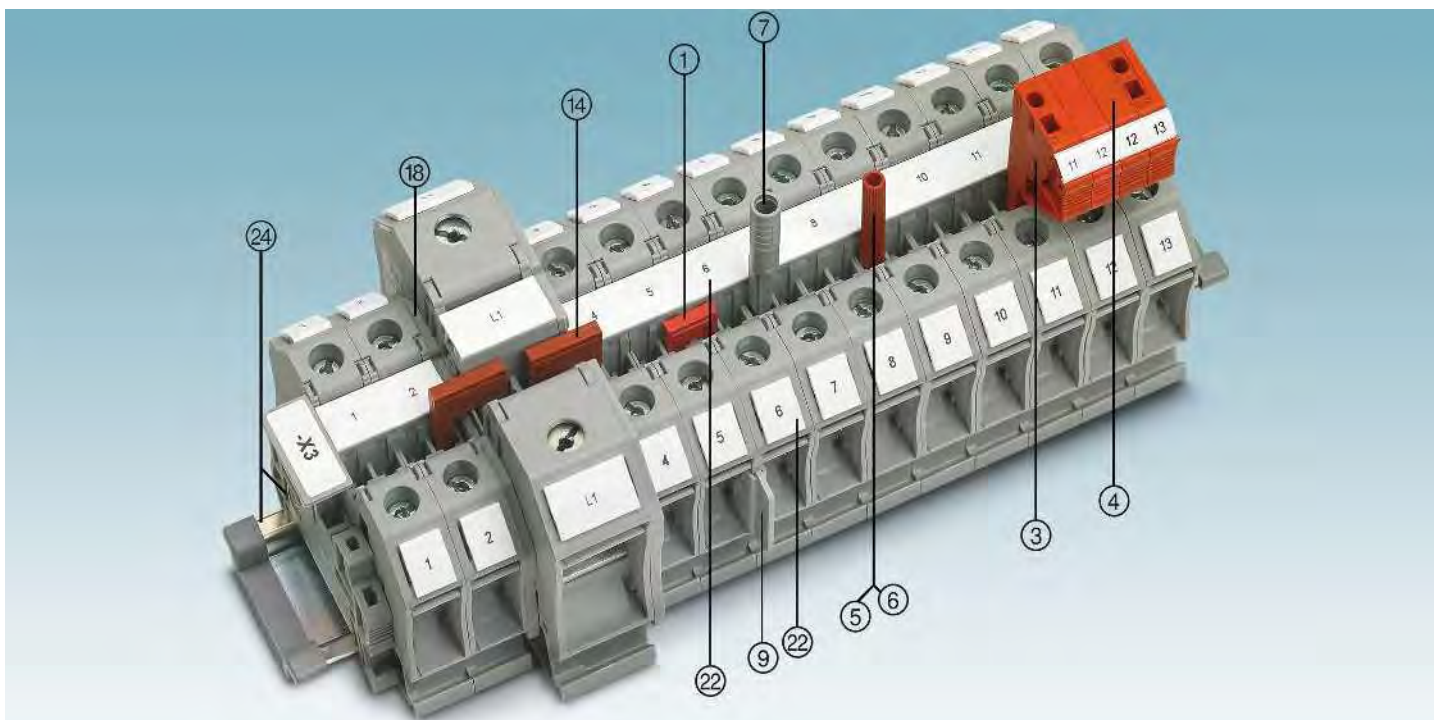
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

¹) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① Bridge¹)	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		gray	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Path extension		gray	BE-RT 3/5	3049619	50			
Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
Socket wrench			SHN 5.5	1209855	10			
⑭ Reducing bridge			For RB ..., see page 408.					
⑮ Cover			Listed alongside the respective product.					
⑯ Center and side groove labeling			UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.					
⑰ DIN rail and end bracket			See Catalog 3					
For full accessories, visit phoenixcontact.net/products			Note: Additional or deviating accessories are listed alongside the respective product.					

Feed-through and ground terminal blocks

Notes:

¹⁾ For additional accessories and technical data, see page 378.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 411.

For CARRIER 35-8 separating disk with storage option for bridges, visit phoenixcontact.net/products.

Further technical notes and connection conditions are to be found on page 682.

For information on installation and using accessories for Ex applications, see page 678.



24 A, feed-through terminal block



Ex: EAC Ex IEC Ex PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data¹⁾

Width	Length	Height	
12.3	66	51 (NS 35/7,5)	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
24	1000	0.1 - 2.5	-
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	-	550
24 / 2.5	30 / -	- / -	24 / 2.5

Ordering data

Type	Order No.	Pcs./Pkt.
RT 3	① 3049013	50
RT 3 BU	① 3049110	50
RT 3-PE	② 3049411	50

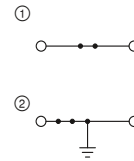
Accessories¹⁾

D-RT 3/5	3049097	50
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Dimensions	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow

Cover, width: 2.2 mm	gray
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24 A, feed-through terminal block, open



Ex: EAC Ex IEC Ex PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data¹⁾

Width	Length	Height	
12.3	66	49.9 (NS 35/7,5)	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
24	1000	0.1 - 2.5	-
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	-	550
24 / 2.5	30 / -	- / -	24 / 2.5

Ordering data

Type	Order No.	Pcs./Pkt.
RTO 3	① 3049518	50
RTO 3 BU	① 3049660	50
RTO 3-PE	② 3049615	50

Accessories¹⁾

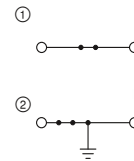
D-RT 3/5	3049097	50
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Feed-through and ground terminal blocks

Notes:

¹⁾ For additional accessories and technical data, see page 378.

Further technical notes and connection conditions are to be found on page 682.



24 A, feed-through terminal block, with transparent shock protection cover

EAC

Dimensions	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow

Cover, width: 2.2 mm	gray
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Technical data ¹⁾			
Width	Length	Height	
12.3	66	51 (NS 35/7,5)	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
24	1000	0.1 - 2.5	-
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
24 / 2.5	- / -	- / -	- / -

Ordering data

Type	Order No.	Pcs./Pkt.
RTO 3-TC	① 3049945	50
RTO 3-TC BU	① 3049835	50
RTO 3-PE-TC	② 3049958	50

Accessories¹⁾

D-RT 3/5	3049097	50
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Terminal blocks – CLIPLINE complete

6 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm ²]	6
Cross section range	AWG	26 - 10
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm ²]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm ²]	1 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Color code		red 1.00 mm ²
Color code	blue	2.50 mm ²
Color code	yellow	6.00 mm ²
General data		
Tightening torque	[Nm]	2.5 - 3
Bolt thread		M5
Insulating material		PA
Flammability rating in accordance with UL 94		VO

Note: Additional or deviating data is listed alongside the respective product.

Notes:



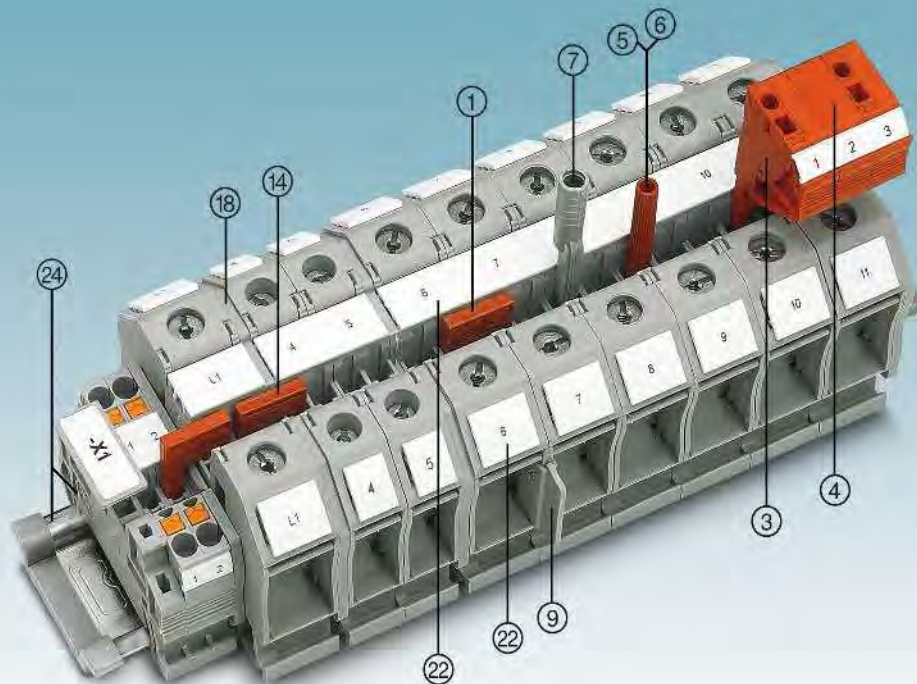
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

¹⁾ The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① Bridge ¹⁾	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red				FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		gray	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Path extension		gray	BE-RT 3/5	3049819	50			
Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
Socket wrench			SHN 8	1209868	10			
⑭ Reducing bridge			For RB ..., see page 408.					
⑰ Partition plates/end cover segments			For ATP-... / DS-..., visit phoenixcontact.net/products					
⑱ Cover			Listed alongside the respective product.					
⑳ Center and side groove labeling			UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 3, selection tables, from page 60.					
㉑ DIN rail and end bracket			See Catalog 3					
For full accessories, visit phoenixcontact.net/products			Note: Additional or deviating accessories are listed alongside the respective product.					

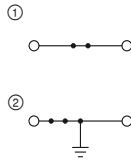
Feed-through and ground terminal blocks

Notes:

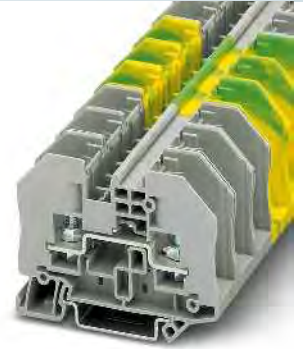
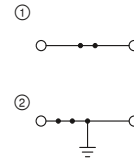
¹⁾ For additional accessories and technical data, see page 380.

Further technical notes and connection conditions are to be found on page 682.

For information on installation and using accessories for Ex applications, see page 678.



41 A, feed-through terminal block



41 A, feed-through terminal block, open

UL ENE CB
Ex: Ex EAC Ex

Technical data¹⁾

Width	Length	Height
16.3	66	51 (NS 35/7,5)
I _{max} [A]	U _{max} [V]	max. Ø [mm ²] AWG (UL)
41	1000	0.1 - 6
41 (FBS)		
IEC	UL / CUL	CSA
1000	600	-
41 / 6	30 / -	- / -

Ordering data

Type	Order No.	Pcs./Pkt.
RT 5	3049026	50
RT 5 BU	3049123	50
RT 5-PE	3049424	50

Accessories¹⁾

D-RT 3/5	3049097	50
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UL ENE CB
Ex: Ex EAC Ex

PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data¹⁾

Width	Length	Height
16.3	66	49.9 (NS 35/7,5)
I _{max} [A]	U _{max} [V]	max. Ø [mm ²] AWG (UL)
41	1000	0.1 - 6
41 (FBS)		
IEC	UL / CUL	CSA
1000	600	-
41 / 6	30 / -	- / -

Ordering data

Type	Order No.	Pcs./Pkt.
RTO 5	3049521	50
RTO 5 BU	3049767	50
RTO 5-TC	3049961	50
RTO 5-TC BU	3049851	50
RTO 5-PE	3049628	50
RTO 5-PE-TC	3049974	50

Accessories¹⁾

D-RT 3/5	3049097	50
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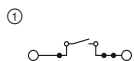
Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm ²]
Description	Color
Terminal block	gray
	blue
With transparent shock-protection hood	gray
	blue
Ground terminal	green-yellow
With transparent shock-protection hood	green-yellow
Cover, width: 2.2 mm	gray

Terminal blocks – CLIPLINE complete

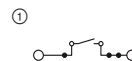
6 mm² RT bolt connection terminal blocks

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 380.
2) Rated voltage for 500 V open disconnect point.
Further technical notes and connection conditions are to be found on page 682.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, open



Technical data¹⁾

Dimensions	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
General data	
Tightening torque disconnect slide	[Nm]

Width	Length	Height
16.3	91.4	51 (NS 35/7,5)
I _{max} [A]	U _{max} [V]	max. Ø [mm²] AWG (UL)
41	1000 ²⁾	0.1 - 6 -
41 (FBS) / 32 (FBSR)		
IEC	UL / CUL	CSA Ex
1000 ²⁾	600	- -
41 / 6	30 / -	- / - - / -
1.5 - 1.8		

Ordering data

Description	Color
Test disconnect terminal block	gray
With transparent shock-protection hood	gray

Type	Order No.	Pcs./Pkt.
RT 5-T	3049039	25

Accessories¹⁾

Cover, width: 2.2 mm	gray
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D-RT 5-T	3049291	50
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Technical data¹⁾

Width	Length	Height
16.3	91.4	49.9 (NS 35/7,5)
I _{max} [A]	U _{max} [V]	max. Ø [mm²] AWG (UL)
41	1000 ²⁾	0.1 - 6 -
41 (FBS) / 32 (FBSR)		
IEC	UL / CUL	CSA Ex
1000 ²⁾	600	- -
41 / 6	30 / -	- / - - / -
1.5 - 1.8		

Ordering data

Type	Order No.	Pcs./Pkt.
RTO 5-T	3049233	25
RTO 5-T-TC	3049990	25

Accessories¹⁾

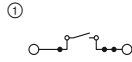
D-RT 5-T	3049291	50
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Test disconnect terminal blocks

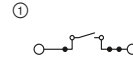
Notes:

¹⁾ For additional accessories and technical data, see page 380.

Further technical notes and connection conditions are to be found on page 682.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, with transparent shock protection cover



Technical data ¹⁾				
Dimensions	Width	Length	Height	
	12.3	82.4	51 (NS 35/7,5)	
Maximum electrical data	I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
	41	500	0.1 - 6	-
Maximum bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	41	30 / -	- / -	- / -
General data				
Tightening torque	1.5 - 1.8			
Bolt thread	M4			

Ordering data			
Type	Order No.	Pcs./Pkt.	
RT 4-T-P/P	3000565	25	

Accessories ¹⁾			
Type	Order No.	Pcs./Pkt.	
D-RT 4-T	3000606	50	
FBS 2-6	3030336	50	
FBS 3-6	3030242	50	
FBS 4-6	3030255	50	
FBS 5-6	3030349	50	
FBS 10-6	3030271	10	
FBS 20-6	3030365	10	
PS-6	3030996	10	
DP PS-6	3036738	10	
SF-SL 0,8X4,0-100	1212551	10	



Technical data ¹⁾				
Dimensions	Width	Length	Height	
	12.3	82.4	51 (NS 35/7,5)	
Maximum electrical data	I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
	41	500	0.1 - 6	-
Maximum bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	41	30 / -	- / -	- / -
General data				
Tightening torque	1.5 - 1.8			
Bolt thread	M4			

Ordering data			
Type	Order No.	Pcs./Pkt.	
RTO 4-T-TC	3000558	25	

Accessories ¹⁾			
Type	Order No.	Pcs./Pkt.	
D-RT 4-T	3000606	50	
FBS 2-6	3030336	50	
FBS 3-6	3030242	50	
FBS 4-6	3030255	50	
FBS 5-6	3030349	50	
FBS 10-6	3030271	10	
FBS 20-6	3030365	10	
PS-6	3030996	10	
DP PS-6	3036738	10	
SF-SL 0,8X4,0-100	1212551	10	

Terminal blocks – CLIPLINE complete

35 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1
Rated cross section	[mm²]	35
Cross section range	AWG	14 - 2
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	2.5 - 35
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 16
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	2.5 - 6
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14
Color code		blue
Color code	yellow	6.00 mm²
General data		
Tightening torque	[Nm]	4.5 - 5
Bolt thread		M8
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Note: Additional or deviating data is listed alongside the respective product.

Notes:



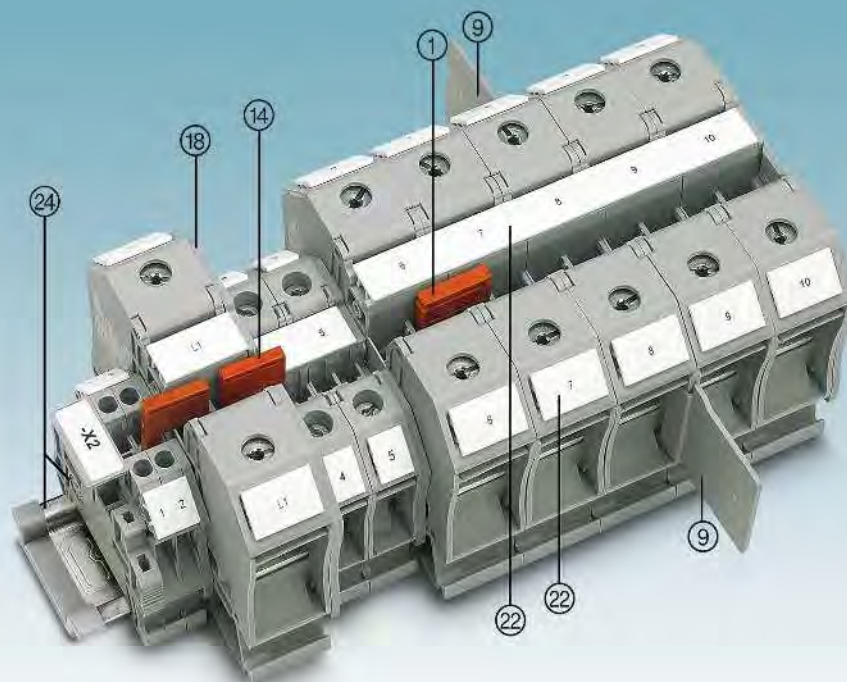
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

¹⁾ The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① Bridge ¹⁾	2	red	FBS 2-10	3005947	10			
⑨ Path extension		gray	BE-RT 8	3049916	50			
Socket wrench			SHN 13	1209923	10			
⑭ Reducing bridge			For RB ..., see page 408.					
⑮ Cover			Listed alongside the respective product.					
② Center and side groove labeling			UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.					
② DIN rail and end bracket			See Catalog 3					
For full accessories, visit phoenixcontact.net/products			Note: Additional or deviating accessories are listed alongside the respective product.					

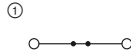
Feed-through terminal blocks

Notes:

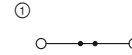
¹⁾ For additional accessories and technical data, see page 384.

Further technical notes and connection conditions are to be found on page 682.

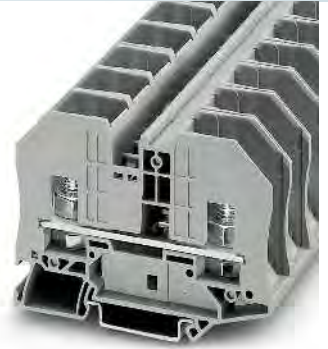
For information on installation and using accessories for Ex applications, see page 678.



125 A, feed-through terminal block



125 A, feed-through terminal block, open



Ex: EAC Ex IEC Ex CB
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data¹⁾

Width	Length	Height	
20.3	84	63.8 (NS 35/7,5)	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
125	1000	2.5 - 35	-
57			
IEC	UL / CUL	CSA	Ex
1000	600	-	690
125 / 35	130 / -	- / -	125 / 35
4.5 - 5			

Ordering data

Type	Order No.	Pcs./Pkt.
RT 8	① 3049042	25
RT 8 BU	① 3049148	25

Accessories¹⁾

D-RT 8	3049194	50
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Ex: EAC Ex IEC Ex CB
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data¹⁾

Width	Length	Height	
20.3	84	62.2 (NS 35/7,5)	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
125	1000	2.5 - 35	-
57			
IEC	UL / CUL	CSA	Ex
1000	600	-	690
125 / 35	115 / -	- / -	123 / 35
6 - 10			

Ordering data

Type	Order No.	Pcs./Pkt.
RTO 8	① 3049343	25
RTO 8 BU	① 3049864	25
RTO 8-TC	① 3050002	25
RTO 8-TC BU	① 3049929	25

Accessories¹⁾

D-RT 8	3049194	50
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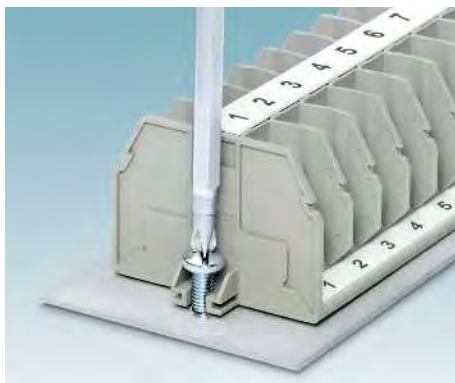


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Extensive program

The RBO product range offers a suitable compact terminal block with bolt connection from M5 to M16 for every conductor connection from 0.5 - 300 mm²



Flexible assembly

The bolt connection terminal blocks offer two mounting options:

- Can be snapped onto the conventional EN DIN rails
- Direct mounting on mounting plates



Modular shock protection

Using the extensive range of accessories, modular shock protection can be implemented easily and in accordance with application requirements.

RBO 5... bolt connection terminals, for M5 ring and fork-type cable lugs

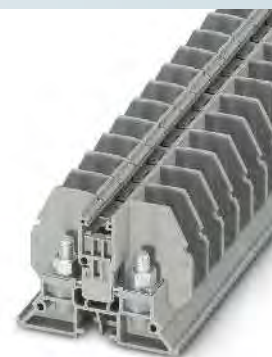
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

Notes:

¹⁾ 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm², 57 A, feed-through terminal block for DIN rail mounting



10 (10) mm², 57 A, feed-through terminal block for direct mounting



Technical data			
Width	Length	Height NS 35/7,5	
13	53.3	47	
Width	Length	Height NS 32	
13	53.3	52	
Width	Length	Height	
13	53.3	-	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
57	800	0.1 - 10	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
RBO 5		3058059	50

Accessories			
D-RSC 5		3058020	50
FB 10-13	57 A ¹⁾	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SHN 8		1209868	10
ZB 13 (see Catalog 3)			
ZBF 13 (see Catalog 3)			



Technical data			
Width	Length	Height NS 35/7,5	
13	53.3	-	
Width	Length	Height NS 32	
13	53.3	-	
Width	Length	Height	
13	53.3	37	
I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
57	800	0.1 - 10	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
RBO 5-F		3058062	50
RBO 5-F/4		3058237	1
RBO 5-F/6		3058240	1
RBO 5-F/8		3058253	1
RBO 5-F/12		3059252	1

Accessories			
D-RSC 5-F		3059647	50
FB 10-13	57 A ¹⁾	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SHN 8		1209868	10
ZB 13 (see Catalog 3)			
ZBF 13 (see Catalog 3)			

Description	No. of pos.	Color
Bolt connection terminal , for mounting on NS 32... or NS 35...		gray
Flange terminal block , for direct mounting, including D-RSC 5-F cover flange		gray
Flange terminal block , for direct mounting, including D-RSC 5-F cover flange, 4-pos.		gray
Block, 6-pos.		gray
Block, 8-pos.		gray
Block, 12-pos.		gray

Cover , width: 2.2 mm	gray
Cover flange , width: 2.2 mm	gray
Fixed bridge , isolated	
	10 silver
Isolator bridge bar , can be separated, with 10 screws	
	10 silver
Separating disk , for separation of neighboring bridges, can be fitted later, no loss of pitch	gray
Cover profile , supply length 1 m	transparent
Socket wrench	
Center groove labeling	
Lateral groove labeling	

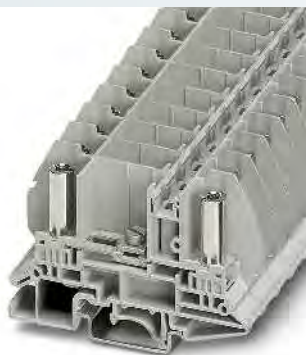
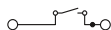
Terminal blocks – CLIPLINE complete

RBO bolt connection terminal blocks

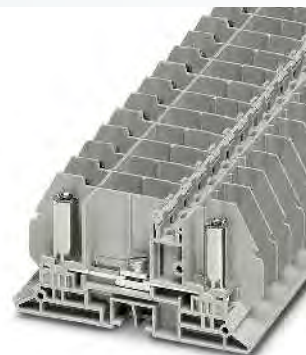
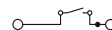
Measuring transducer disconnect terminal blocks with blocks connection RBO 5-T..., for M5 ring- and fork-type cable lugs

- Connection screws with 4 mm test connection
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

Notes:
¹⁾ 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks
²⁾ Rated voltage for 630 V open disconnect point



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block, for direct mounting



Dimensions	
	[mm]
Dimensions	
	[mm]
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, DIN 46234	
Cable lugs, DIN 46234	[mm ²]
Connection bolt / hole diameter / width	[mm]
Connection capacity, DIN 46237	
Cable lugs DIN 46237	[mm ²]
Connection bolt / hole diameter / width	[mm]
Color code	
	red
	blue
	yellow
General data	
Disconnect slide: Thread / torque	- / [Nm]
	M4 / 1.2 - 1.4
Bolt thread	M5
Tightening torque	[Nm]
Insulating material	PA
Flammability rating in accordance with UL 94	V0

Technical data			
Width	Length	Height NS 35/7,5	
13	79.9	47	
Width	Length	Height NS 32	
13	79.9	52	
Width	Length	Height	
13	79.9	-	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
50	800 ²⁾	0.1 - 10	-
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
800 ²⁾	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm ²			
2.50 mm ²			
6.00 mm ²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
13	79.9	-	
Width	Length	Height NS 32	
13	79.9	-	
Width	Length	Height	
13	79.9	39.7	
I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
50	800 ²⁾	0.1 - 10	-
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
800 ²⁾	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm ²			
2.50 mm ²			
6.00 mm ²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray
Test disconnect terminal block, with flange, for direct mounting		gray

Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
RBO 5-T		3058114	50

Ordering data			
Type	I _{max}	Order No.	Pcs./Pkt.
RBO 5-T-F		3058169	50

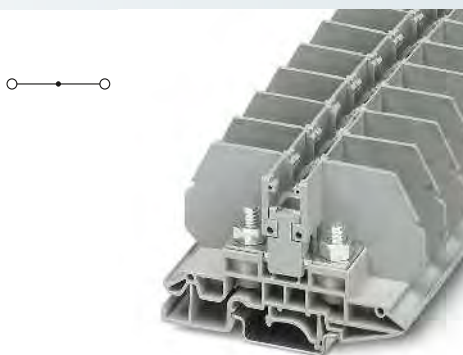
Accessories	
Cover, width: 2.2 mm	gray
Fixed bridge, isolated	
	10 silver
Isolator bridge bar, can be separated, with 10 screws	
	10 silver
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch	gray
Cover profile, supply length 1 m	transparent
Screwdriver	
Center groove labeling	
Lateral groove labeling	

Accessories			
D-RSC 5-T		3058046	50
FB 10-13	57 A ¹⁾	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10
ZB 13 (see Catalog 3)			
ZBF 13 (see Catalog 3)			

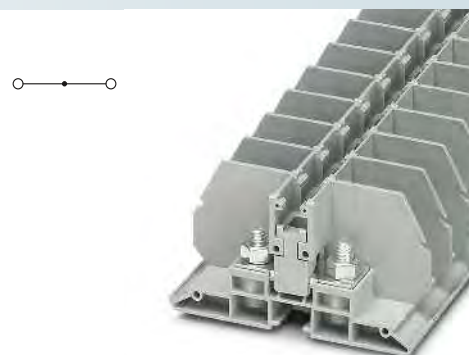
Accessories			
D-RSC 5-T-F		3059346	50
FB 10-13	57 A ¹⁾	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10
ZB 13 (see Catalog 3)			
ZBF 13 (see Catalog 3)			

Bolt connection terminal blocks RBO 6..., for M6 ring- and fork-type cable lugs

- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



35 (35) mm², 125 A, feed-through
terminal block, for DIN rail mounting



35 (35) mm², 125 A, feed-through
terminal block, for direct mounting



Technical data

Dimensions		Width	Length	Height NS 35/7,5	
		17	80.8	49.8	
Dimensions		Width	Length	Height NS 32	
		17	80.8	54.8	
Dimensions		Width	Length	Height	
		17	80.8	-	
Maximum electrical data		I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
		125	800	2.5 - 35	-
Rated data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm ²]	125 / 35	115 / -	115 / -	-
Rated cross section	[mm ²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12-2	-
Connection capacity, DIN 46234		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Cable lugs, DIN 46234	[mm ²]	6 - 35	-	-	-
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15	-	-	-
Connection capacity, DIN 46237		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Cable lugs DIN 46237	[mm ²]	2.5 - 6	-	-	-
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11	-	-	-
	blue	2.50 mm ²	-	-	-
	yellow	6.00 mm ²	-	-	-
General data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		M6	-	-	-
		3.2 - 3.7	-	-	-
Tightening torque	[Nm]	3.2 - 3.7	-	-	-
Insulating material		PA	-	-	-
Flammability rating in accordance with UL 94		V0	-	-	-

Ordering data

Description	No. of pos.	Color	Type	I _{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	RBO 6		3075896	40
Flange terminal block, for direct mounting, including cover flange D-RSC 6-F		gray				

Accessories

Cover, width: 2.2 mm	gray		D-RSC 6		3213098	50
Cover flange, width: 2.2 mm	gray					
Fixed bridge, isolated	10	silver	FB 10-17	57 A	3075951	10
Isolator bridge bar, can be separated, with 10 screws						
	10	silver	FB 10-17 ISO	57 A	3213085	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3		2770215	50
Cover profile, supply length 1 m	transparent		AP RSC-T		3059139	10
Center groove labeling			ZB 17 (see Catalog 3)			
Lateral groove labeling			ZBF 17 (see Catalog 3)			



Technical data

Dimensions		Width	Length	Height NS 35/7,5	
		17	80.8	-	
Dimensions		Width	Length	Height NS 32	
		17	80.8	-	
Dimensions		Width	Length	Height	
		17	80.8	39.7	
Maximum electrical data		I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)
		125	800	2.5 - 35	-
Rated data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm ²]	125 / 35	115 / -	115 / -	-
Rated cross section	[mm ²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12-2	-
Connection capacity, DIN 46234		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Cable lugs, DIN 46234	[mm ²]	6 - 35	-	-	-
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15	-	-	-
Connection capacity, DIN 46237		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Cable lugs DIN 46237	[mm ²]	2.5 - 6	-	-	-
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11	-	-	-
	blue	2.50 mm ²	-	-	-
	yellow	6.00 mm ²	-	-	-
General data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		M6	-	-	-
		3.2 - 3.7	-	-	-
Tightening torque	[Nm]	3.2 - 3.7	-	-	-
Insulating material		PA	-	-	-
Flammability rating in accordance with UL 94		V0	-	-	-

Ordering data

Description	No. of pos.	Color	Type	I _{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	RBO 6		3075896	40
Flange terminal block, for direct mounting, including cover flange D-RSC 6-F		gray				

Accessories

Cover, width: 2.2 mm	gray		D-RSC 6-F		3213108	50
Cover flange, width: 2.2 mm	gray					
Fixed bridge, isolated	10	silver	FB 10-17	57 A	3075951	10
Isolator bridge bar, can be separated, with 10 screws						
	10	silver	FB 10-17 ISO	57 A	3213085	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3		2770215	50
Cover profile, supply length 1 m	transparent		AP RSC-T		3059139	10
Center groove labeling			ZB 17 (see Catalog 3)			
Lateral groove labeling			ZBF 17 (see Catalog 3)			

Terminal blocks – CLIPLINE complete

RBO bolt connection terminal blocks

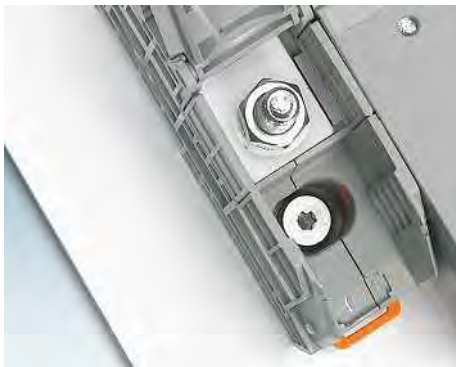
RBO bolt connection terminal blocks, open, for ring- and fork-type cable lugs



- Optional snap-on finger protection
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard with the covering hoods
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block

Mounting options

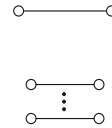
- Mounting either on standard mounting rails or directly in switch boxes, see Figure below



Notes:

For corresponding test plugs, see the following page.

1) For information on installation and using accessories for Ex applications, see page 678.



70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

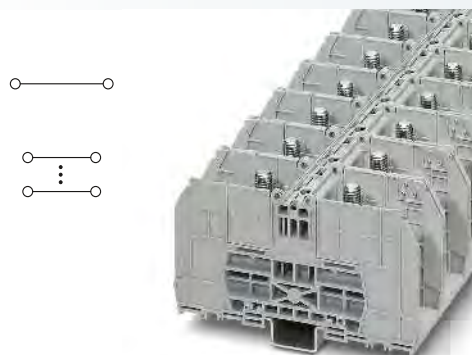


Ex: EAC Ex IEC

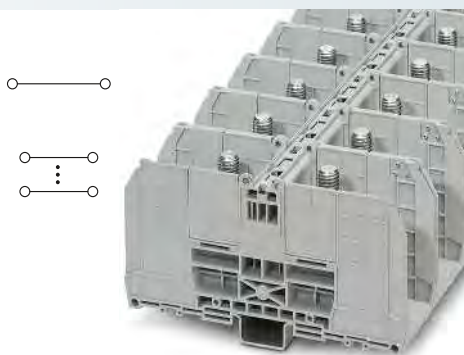
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

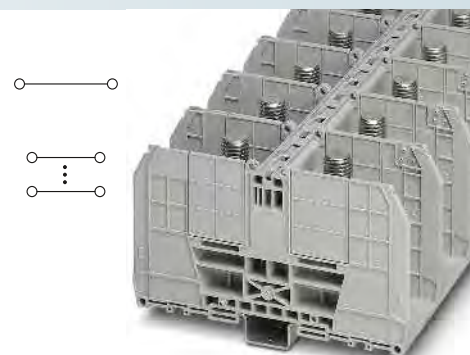
Dimensions		Width	Length	Height NS 35/15	
	[mm]	29	136	74.5	
Maximum electrical data		I _{max} [A]	U _{max} [V]	max. Ø [mm²]	AWG (UL)
		192	1000	6 - 70	-
Rated data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	175 / -	187 / 70
Rated cross section	[mm²]	70	-	-	2.5-70
Cross section range	AWG	8 - 2/0	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	2.5 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22			
Connection capacity DIN 46235					
Cable lugs DIN 46235	[mm²]	16 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M8			
Tightening torque	[Nm]	6 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting



Ex: EAC Ex IEC 60947-7-1
SEV13ATEX0132U / IECEx SEV13.0003U



Ex: EAC Ex IEC 60947-7-1
SEV13ATEX0132U / IECEx SEV13.0003U



Ex: EAC Ex IEC 60947-7-1
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
41	144	84.5	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
309	1000	6 - 150	10-350
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6-150
10 - 300	10-350	10-350	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
49	164	90.8	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
415	1000	10 - 240	8-600
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10-240
8 - 500	8-600	8-600	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
54.8	164	99.3	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
520	1000	25 - 300	4-1000
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4-1000	4-1000	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 10		3244614	5
RBO 10 BU		3244616	5
RBO 10-FE		3244615	5

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 12		3244627	5
RBO 12 BU		3244629	5
RBO 12-FE		3244628	5

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 16		3244630	5
RBO 16 BU		3244632	5
RBO 16-FE		3244631	5
RBO 16-3L/N		3076277	1

Accessories¹)			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 10-VS 2	309 A	3244643	10
RBO 10-VS 3	309 A	3244656	10
HC-RBO 10		3247970	6
HC-RBO 10 BU		3247972	6
HC-RBO 10-FE		3247971	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

Accessories¹)			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 12-VS 2	415 A	3244669	10
RBO 12-VS 3	415 A	3244672	10
HC-RBO 12		3247983	6
HC-RBO 12 BU		3247985	6
HC-RBO 12-FE		3247984	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

Accessories¹)			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 16-VS 2	520 A	3244685	10
RBO 16-VS 3	520 A	3244698	10
HC-RBO 16		3247996	6
HC-RBO 16 BU		3247998	6
HC-RBO 16-FE		3247997	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

Terminal blocks – CLIPLINE complete

RBO bolt connection terminal blocks

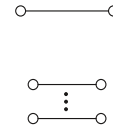
RBO bolt connection terminal blocks with covering hoods, for ring- and fork-type cable lugs



- With protective covers
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block
- The covering hoods can be custom-marked using the following labels: **0830433 PML-VV101 (25X25)**

Notes:

- 1) For information on installation and using accessories for Ex applications, see page 678.
- 2) Cable lug must be insulated with shrink sleeve.



70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

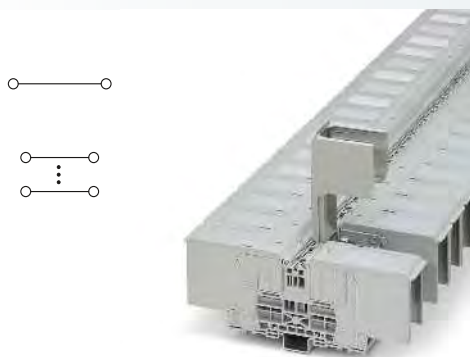


Ex: EAC Ex IEC UL
SEV13ATEX0132U / IECEx SEV13.0003U

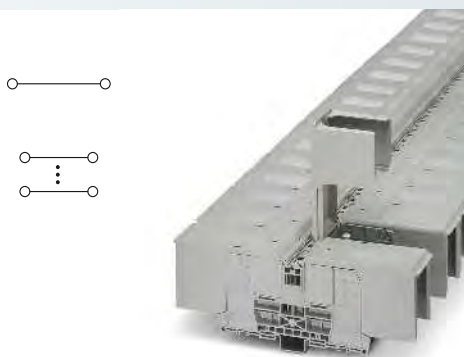
Technical data

Dimensions		Width	Length	Height NS 35/15		
	[mm]	29	184	74.5		
Maximum electrical data		I _{max} [A]	U _{max} [V]	max. Ø [mm ²]	AWG (UL)	
		192	1500 ²⁾	6 - 70	-	
Rated data		IEC 60947-7-1				
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	
	Rated voltage	[V]	1500 ²⁾	600	-	690
	Nominal current / cross section	[A] / [mm ²]	192 / 70	175 / -	-	187 / 70
	Rated cross section	[mm ²]	70	-	-	2.5-70
Cross section range	AWG	8 - 2/0	-	-	-	
Connection capacity, DIN 46234						
Cable lugs, DIN 46234	[mm ²]	2.5 - 70				
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22				
Connection capacity, DIN 46235						
Cable lugs DIN 46235	[mm ²]	16 - 70				
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24				
Connection capacity, DIN 46237						
Cable lugs DIN 46237	[mm ²]	2.5 - 6				
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14				
	blue	2.50 mm ²				
	yellow	6.00 mm ²				
General data						
Bolt thread		M8				
Tightening torque	[Nm]	6 - 12				
Insulating material		PA				
Flammability rating in accordance with UL 94		V0				

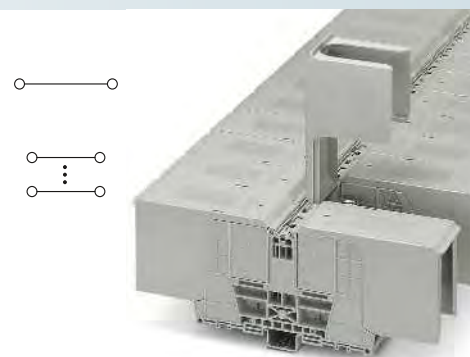
RBO bolt connection terminal blocks



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting



Ex: EAC Ex IEC 60947-1
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
41	235	84.5	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
309	1500 ²⁾	6 - 150	10-350
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500 ²⁾	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6-150
10 - 300	10-350	10-350	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 10-HC		3247976	5
RBO 10-HC BU		3247977	5
RBO 10-FE-HC		3247978	5

Accessories ¹⁾			
RBO 10-VS 2	309 A	3244643	10
RBO 10-VS 3	309 A	3244656	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)



Ex: EAC Ex IEC 60947-1
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
49	265	90.8	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
415	1500	10 - 240	8-600
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500	600	1000	1100
415 / -	420 / -	420 / -	415 / 240
240	-	-	10-240
8 - 500	8-600	8-600	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 12-HC		3247986	5
RBO 12-HC BU		3247987	5
RBO 12-FE-HC		3247988	5

Accessories ¹⁾			
RBO 12-VS 2	415 A	3244669	10
RBO 12-VS 3	415 A	3244672	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)



Ex: EAC Ex IEC 60947-1
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
54.8	283.5	99.3	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
520	1500 ²⁾	25 - 300	4-1000
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500 ²⁾	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4-1000	4-1000	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 16-HC		3247989	5
RBO 16-HC BU		3247990	5
RBO 16-FE-HC		3247991	5

Accessories ¹⁾			
RBO 16-VS 2	520 A	3244685	10
RBO 16-VS 3	520 A	3244698	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

Terminal blocks – CLIPLINE complete

HV high-current connectors

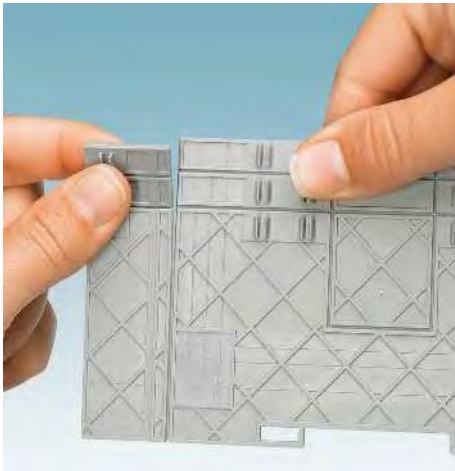
HV ... high-current connectors



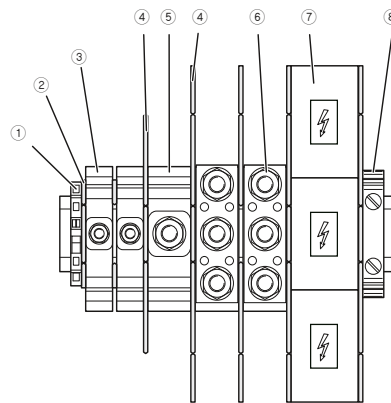
- Secure connection of up to four conductors with cable lugs in accordance with DIN 46234, 46235, and 46237 in very tight spaces
- Spring washers are used to prevent hexagonal nuts from loosening
- Extensive range of accessories for safe and comfortable wiring of conductors up to 120 mm²



- Two and three-pos. connection rails are available for potential distribution
- The feed-through window provided in the partition plates can be easily removed for mounting the connection rails



- Two different partition plates can be used for the family of single and twin bolt terminal blocks
- Labeling the partition plates allows their height and length to be adapted at the respective bolt terminal blocks



- ① CLIPFIX 35-5 end bracket
- ② HV M12/1-TP partition plate
- ③ HV M5/1 or HV M6/1 high-current connectors
- ④ HV M12/2-TP partition plate
- ⑤ HV M8/1, HV M10/1 or HV M12/1 high-current connectors
- ⑥ HV M6/2, HV M8/2 or HV M10/2 high-current connectors
- ⑦ HV M10/1-AP cover
- ⑧ E/AL-NS 35 end bracket

Notes:

Further technical notes and connection conditions are to be found on page 682.

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, bolt connection	
Cable lugs, DIN 46234	[mm ²]
Cable lugs DIN 46235	[mm ²]
Cable lugs DIN 46237	[mm ²]
General data	
Bolt length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		gray

Connection rail, for cross connection of high-current connectors		
	2	silver
	3	silver

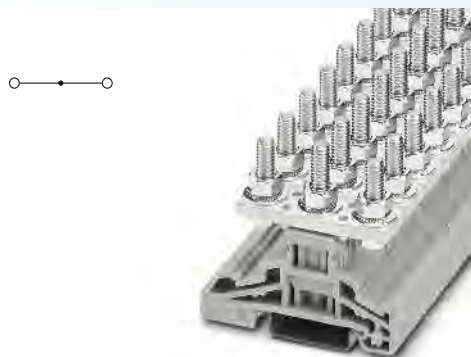
Reducing bridge, for connecting HV M8/1 to HV M6/1		
	2	silver

Reducing bridge, for connecting HV M10/1 to HV M6/1		
	3	silver

Separating plate		gray
Cover		gray
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow/black

Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow/black
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver

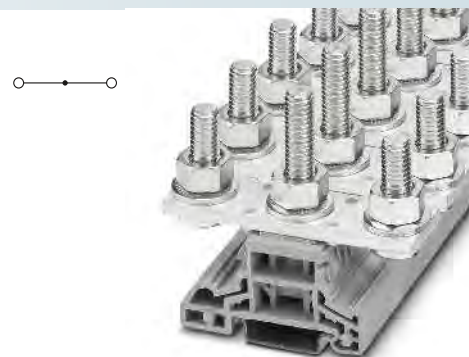
Lateral groove labeling



35 (35) mm², 125 A, M6 bolt terminal block



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block



Technical data			
Width	Length	Height NS 35/7,5	
16	67	58	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
125	1000	2.5 - 35	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
125 / 35	-	120 / -	-
35	-	-	-
-	-	-4	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
21	67	66	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
150	1000	2.5 - 50	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	130 / -	-
50	-	-	-
-	-	-3	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
269	1000	6 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	225 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M6/2		3049547	25

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M8/2		3049550	25

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M10/2		3049563	10

Accessories			
HV M6/1-VS 2	125 A	3049262	10
HV M6/1-VS 3	125 A	3049275	10
HV M12/2-TP		3049709	25
HV M6/1-AP		3049903	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Accessories			
HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
E/AL-NS 35		1201662	10

Accessories			
HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

Terminal blocks – CLIPLINE complete

HV high-current connectors

HV ... high-current connectors

- The bolt connection terminal blocks for cable lugs in accordance with DIN 46234, DIN 46235 and DIN 46237 are available as part of the high-current connector UHV ... range
- For connecting a maximum of four conductors
- Versions with connection bolts of between M5 and M12
- Extensive, supplementary accessories



16 (16) mm², 76 A, M5 bolt terminal block



35 (35) mm², 125 A, M6 bolt terminal block

Notes:

Further technical notes and connection conditions are to be found on page 682.



Technical data

Dimensions	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity, bolt connection	
Cable lugs, DIN 46234	[mm²]
Cable lugs DIN 46235	[mm²]
Cable lugs DIN 46237	[mm²]
General data	
Bolt length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Width	Length	Height NS 35/7,5
13	67	58
I _{max} [A]	U _{max} [V]	max. Ø [mm²]
76	1000	0.1 - 16
IEC 60947-7-1	UL / CUL	CSA
IEC	UL / CUL	IEC/ EN 60079-7
1000	-	1000
76 / 16	-	60 / -
16	-	-
-	-	-8

Technical data

Width	Length	Height NS 35/7,5
16	67	58
I _{max} [A]	U _{max} [V]	max. Ø [mm²]
125	1000	1.5 - 35
IEC 60947-7-1	UL / CUL	CSA
IEC	UL / CUL	IEC/ EN 60079-7
1000	-	1000
125 / 35	-	115 / -
35	-	-
-	-	-4

Ordering data

Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		gray

Type	I _{max}	Order No.	Pcs./Pkt.
HV M5/1		3049107	25

Ordering data

Type	I _{max}	Order No.	Pcs./Pkt.
HV M6/1		3049204	25

Accessories

Connection rail, for cross connection of high-current connectors		
	2	silver
	3	silver
Reducing bridge, for connecting HV M8/1 to HV M6/1		
	2	silver
Reducing bridge, for connecting HV M10/1 to HV M6/1		
	3	silver
Separating plate		gray
Cover		gray
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow/black
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow/black
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver

HV M5/1-VS 2	76 A	3049437	10
HV M5/1-VS 3	76 A	3049440	10
HV M12/1-TP		3049602	25
HV M5/1-AP		3049806	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Accessories

HV M6/1-VS 2	125 A	3049262	10
HV M6/1-VS 3	125 A	3049275	10
HV M12/1-TP		3049602	25
HV M6/1-AP		3049903	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Lateral groove labeling

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block



120 (120) mm², 269 A, M12 bolt terminal block



Technical data			
Width	Length	Height NS 35/7,5	
21	67	66	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
150	1000	1.5 - 50	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	125 / -	-
50	-	-	-
-	-	-3	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			



Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
269	1000	1.5 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			



Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
I_{max} [A]	U_{max} [V]	max. Ø [mm²]	AWG (UL)
269	1000	6 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M8/1		3049301	25

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M10/1		3049408	10

Ordering data			
Type	I_{max}	Order No.	Pcs./Pkt.
HV M12/1		3049505	10

Accessories			
HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Accessories			
HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

Accessories			
HV M12/1-VS 2	269 A	3049631	10
HV M12/1-VS 3	269 A	3049644	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 3)

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