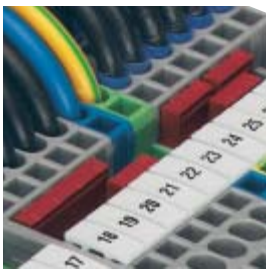
Spring Cage Feed-Through Terminal Blocks ST

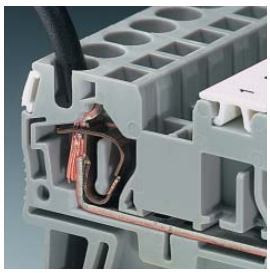
The product family **ST** with the new spring cage system **"mini spring"** is extremely space-saving. Space is saved thanks to a clearly smaller spring system without having to give up such familiar quality features as the large insertion space.
The outstanding feature of the feed-through terminals is their space-saving design, the generous labeling options and a flexible bridging system.
The insertion space of the ST terminal blocks is designed in such a way that flexible conductors with the rated cross section with ferrule can also be wired up without difficulty.
The ground terminal blocks with the same shape as the feed-through terminal blocks make contact via simple snapping on the mounting rail and thus take over the ground conductor function.
The housings are made of unbreakable polyamide 6.6 of the inflammability class V0 acc. to UL 94.

Marking
A clear assignment of the connection lines is a pre-requisite for unambiguous and correct installation of terminal strips.
The ST series is ideally suited to these requirements. The generous labeling option using ZB standard Zack ("quick") strip in the terminal center is always easily accessible and readily recognizable, even when wired.
Moreover, each termination point can also be labeled for special applications.



Plug-in bridging system FBS
The ST terminal block has dual channels for handling all types of bridging possibilities. By means of plug-in bridges the chain bridging can be achieved either with a 2-pos. standard jumper or with multi-position bridges. The multi-position version is especially useful for fast bridging of multi-position terminal strips. The bridging between non-adjacent terminals can also be handled with this version. The plug-in bridges are

available in the number of position 2, 3, 4, 5 and 10. 20-pos. bridges can also be delivered for the 4, 5 and 6 mm terminal block pitches which can be cut to suit your requirements.
There is also the possibility of a practical test connection in the bridge shaft of the terminal block.



Generous wire entrance
The ST series has large conductor openings, which eliminate the need to move up to a large terminal block when ferrules are required.

Phoenix Contact GmbH & Co. KG • 32823 Blomberg, Germany
Phone +49 52 35 3-00 • Fax +49 52 35 3-4 12 00 • www.phoenixcontact.com

Feed-Through Terminal Block

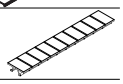
ST 1,5

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-1.5	0.08-1.5	28-16	17.5	500
EN 50 019*	0.08-1.5	0.08-1.5	28-16	17.5	420

* EC Prototype certificate no.: KEMA 01ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.

cULus KEMA

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray	terminal width 4.2	**ST 1,5**		**30 31 07 6**	**50**
	blue	terminal width 4.2	**ST 1,5 BU**		**30 31 08 9**	**50**
	orange	terminal width 4.2	**ST 1,5 OG**		**30 37 01 2**	**50**
	red	terminal width 4.2	**ST 1,5 RD**		**30 37 03 8**	**50**
	black	terminal width 4.2	**ST 1,5 BK**		**30 37 06 7**	**50**
(1) **End cover**	gray		**D-ST 2,5**		**30 30 41 7**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections						
Cross section range:	0.08-0.2 mm²	white	**ISH 1,5/0,2**		**32 06 13 1**	**50**
	0.25-0.5 mm²	gray	**ISH 1,5/0,5**		**30 31 03 4**	**50**
(3) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-4**	$I_{max.}$: 17.5 A	**30 30 11 6**	**50**
	3-pos.		**FBS 3-4**	17.5 A	**30 30 12 9**	**50**
	4-pos.		**FBS 4-4**	17.5 A	**30 30 13 2**	**50**
	5-pos.		**FBS 5-4**	17.5 A	**30 30 14 5**	**50**
	10-pos.		**FBS 10-4**	17.5 A	**30 30 15 8**	**10**
	20-pos.		**FBS 20-4**	17.5 A	**30 30 35 2**	**10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-ST 4**		**30 30 72 1**	**50**
(5) **Test adapter,** for 4 mm ∅ test connector PS and 4 mm ∅ safety test connectors, making contact in the bridge shaft			**PAI 4**		**30 30 92 5**	**10**
(6) **Modular test connector**, for individual assembly of test connector strips, can be labeled with ZBF 4			**PS-4**		**30 30 97 0**	**10**
(7) **Warning cover,** for the operating shafts of the "mini-spring" ST spring cage terminal blocks			**WST 1,5**		**30 30 95 8**	**10**
(8) **Screwdriver,** for actuating the tension spring			**SZF 0 - 0,4 x 2,5**		**12 04 50 4**	**10**
(9) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 4:UNPRINTED**		**08 08 58 7**	**10**
(10) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 4:UNPRINTED**		**08 05 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	4.2 / 48.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	17.5 / 1.5
Rated surge voltage / contamination class	[kV] / –	6 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 1.5
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 1.5
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 1
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

Ground Terminal Block

ST 1,5-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.08-1.5	0.08-1.5	28-16
EN 50 019*	0.08-1.5	0.08-1.5	28-16

* EC Prototype certificate no.: KEMA 01ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.
Observe the current carrying capacity of mounting rails.

cULus KEMA

Technical data

			Type	Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 4.2	**ST 1,5-PE**	**30 31 51 3**	**50**
(1) **End cover**	gray		**D-ST 2,5**	**30 30 41 7**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections					
Cross section range:	0.08-0.2 mm²	white	**ISH 1,5/0,2**	**32 06 13 1**	**50**
	0.25-0.5 mm²	gray	**ISH 1,5/0,5**	**30 31 03 4**	**50**
(3) **Screwdriver,** for actuating the tension spring			**SZF 0 - 0,4 x 2,5**	**12 04 50 4**	**10**
(4) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 4:UNPRINTED**	**08 08 58 7**	**10**
(5) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 4:UNPRINTED**	**08 05 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	4.2 / 48.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	–
Rated surge voltage / contamination class	[kV] / –	6 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 1.5
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 1.5
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 1
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

Feed-Through Terminal Block

ST 2,5

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-4	0.08-2.5	28-12	31	800
EN 50 019*	0.08-4	0.08-2.5	28-12	25/21	550

* EC Prototype certificate no.: KEMA 00ATEX2052U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.

cULus KEMA

Technical data

			Type	Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray	terminal width 5.2	**ST 2,5**	**30 31 21 2**	**50**
	blue	terminal width 5.2	**ST 2,5 BU**	**30 31 22 5**	**50**
	orange	terminal width 5.2	**ST 2,5 OG**	**30 37 07 0**	**50**
	red	terminal width 5.2	**ST 2,5 RD**	**30 37 09 6**	**50**
	black	terminal width 5.2	**ST 2,5 BK**	**30 37 12 2**	**50**
(1) **End cover**	gray		**D-ST 2,5**	**30 30 41 7**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections					
Cross section range:	0.08-0.2 mm²	white	**ISH 2,5/0,2**	**30 02 84 3**	**50**
	0.25-0.5 mm²	gray	**ISH 2,5/0,5**	**30 02 85 6**	**50**
	0.75-1 mm²	black	**ISH 2,5/1**	**30 02 86 9**	**50**
(3) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-5**	$I_{max.}$: 24 A **30 30 16 1**	**50**
	3-pos.		**FBS 3-5**	24 A **30 30 17 4**	**50**
	4-pos.		**FBS 4-5**	24 A **30 30 18 7**	**50**
	5-pos.		**FBS 5-5**	24 A **30 30 19 0**	**50**
	10-pos.		**FBS 10-5**	24 A **30 30 21 3**	**10**
	20-pos.		**FBS 20-5**	24 A **30 30 22 6**	**10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-ST 4**	**30 30 72 1**	**50**
(5) **Test adapter,** for 4 mm ∅ test connector PS and 4 mm ∅ safety test connectors, making contact in the bridge shaft			**PAI 4**	**30 30 92 5**	**10**
(6) **2.3 mm ∅ test connector[1]),** consisting of metal part and red insulating sleeve			**MPS-RD**	**02 01 55 3**	**10**
(7) **Modular test connector,** can be labeled with ZBF 5			**PS 5**	**30 30 98 3**	**10**
(8) **Warning cover,** for the operating shafts of the "mini-spring" ST spring cage terminal blocks			**WST 2,5**	**30 30 94 1**	**10**
(9) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**	**12 04 51 7**	**10**
(10) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 5 :UNPRINTED**	**08 08 64 2**	**10**
(11) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 5:UNPRINTED**	**10 50 00 4**	**10**

Dimensions		
Width / length / end cover width	[mm]	5.2 / 48.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	31 / 4
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 3
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	600 / 20 / 26 - 12
	CSA/CUL: [V] / [A] / AWG	600 / 20 / 26 - 12

[1]) Further colors on request.

Ground Terminal Block

ST 2,5-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.08-4	0.08-2.5	28-12
EN 50 019*	0.08-4	0.08-2.5	28-12

* EC Prototype certificate no.: KEMA 00ATEX2052U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.
Observe the current carrying capacity of mounting rails.

cULus KEMA

Technical data

			Type	Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 5.2	**ST 2,5-PE**	**30 31 23 8**	**50**
(1) **End cover**	gray		**D-ST 2,5**	**30 30 41 7**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections					
Cross section range:	0.08-0.2 mm²	white	**ISH 2,5/0,2**	**30 02 84 3**	**50**
	0.25-0.5 mm²	gray	**ISH 2,5/0,5**	**30 02 85 6**	**50**
	0.75-1 mm²	black	**ISH 2,5/1**	**30 02 86 9**	**50**
(3) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**	**12 04 51 7**	**10**
(4) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 5 :UNPRINTED**	**08 08 64 2**	**10**
(5) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 5:UNPRINTED**	**10 50 00 4**	**10**

Dimensions		
Width / length / end cover width	[mm]	5.2 / 48.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	–
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 3
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	– / – / 26 - 12
	CSA/CUL: [V] / [A] / AWG	– / – / 26 - 12

Feed-Through Terminal Block

ST 4

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.08-6	0.08-4	28-10	40	800
EN 50 019*	0.08-6	0.08-4	28-10	34/30	550

* EC Prototype certificate no.: KEMA 00ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.

cULus KEMA

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray	terminal width 6.2	**ST 4**		**30 31 36 4**	**50**
	blue	terminal width 6.2	**ST 4 BU**		**30 31 37 7**	**50**
	orange	terminal width 6.2	**ST 4 OG**		**30 37 13 5**	**50**
	red	terminal width 6.2	**ST 4 RD**		**30 37 15 1**	**50**
	black	terminal width 6.2	**ST 4 BK**		**30 37 18 0**	**50**
(1) **End cover**	gray		**D-ST 4**		**30 30 42 0**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections						
Cross section range:	0.25-0.5 mm²	gray	**ISH 4/0,5**		**30 02 88 5**	**50**
	0.75-1 mm²	black	**ISH 4/1**		**30 02 89 8**	**50**
(3) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-6**	$I_{max.}$: 32 A	**30 30 33 6**	**50**
	3-pos.		**FBS 3-6**	32 A	**30 30 24 2**	**50**
	4-pos.		**FBS 4-6**	32 A	**30 30 25 5**	**50**
	5-pos.		**FBS 5-6**	32 A	**30 30 34 9**	**50**
	10-pos.		**FBS 10-6**	32 A	**30 30 27 1**	**10**
	20-pos.		**FBS 20-6**	32 A	**30 30 36 5**	**10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-ST 4**		**30 30 72 1**	**50**
(5) **Test adapter,** for 4 mm ∅ test connector PS and 4 mm ∅ safety test connectors, making contact in the bridge shaft			**PAI 4**		**30 30 92 5**	**10**
(6) **2.3 mm ∅ test connector[1]),** consisting of metal part and red insulating sleeve			**MPS-RD**		**02 01 55 3**	**10**
(7) **Modular test connector,** can be labeled with ZBF 6			**PS-6**		**30 30 99 6**	**10**
(8) **Warning cover,** for the operating shafts of the "mini-spring" ST spring cage terminal blocks			**WST 4**		**30 30 95 4**	**10**
(9) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**		**12 04 51 7**	**10**
(10) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 6:UNPRINTED**		**08 08 71 0**	**10**
(11) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 6:UNPRINTED**		**10 51 00 3**	**10**

Dimensions		
Width / length / end cover width	[mm]	6.2 / 56 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	40 / 6
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 4
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 4
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 4
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	600 / 30 / 20 - 10
	CSA/CUL: [V] / [A] / AWG	600 / 30 / 20 - 10

[1]) Further colors on request.

Ground Terminal Block

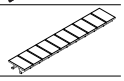
ST 4-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.08-6	0.08-4	28-10
EN 50 019*	0.08-6	0.08-4	28-10

* EC Prototype certificate no.: KEMA 00ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.
Observe the current carrying capacity of mounting rails.

cULus KEMA

Technical data

			Type	Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 6.2	**ST 4-PE**	**30 31 38 0**	**50**
(1) **End cover**	gray		**D-ST 4**	**30 30 42 0**	**50**
(2) **Insulating stop sleeve,** prevents unintentional clamping of the insulation in the case of smaller cross sections					
Cross section range: 0.25-0.5 mm²		gray	**ISH 4/0,5**	**30 02 88 5**	**50**
0.75-1 mm²		black	**ISH 4/1**	**30 02 89 8**	**50**
(3) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**	**12 04 51 7**	**10**
(4) **Zack strip,** flat, for labeling the outer marker grooves	white		**ZBF 6:UNPRINTED**	**08 08 71 0**	**10**
(5) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 6:UNPRINTED**	**10 51 00 3**	**10**

Dimensions		
Width / length / end cover width	[mm]	6.2 / 56 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	36.5 / 44
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	–
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 4
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 4
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1
Stripping length	[mm]	10
Internal cylindrical gauge (IEC 60 947-1)		A 4
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	– / – / 20 - 10
	CSA/CUL: [V] / [A] / AWG	– / – / 20 - 10

Feed-Through Terminal Block

ST 6

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.2-10	0.2-6	24-8	52	800
EN 50 019*	0.2-10	0.2-6	24-8	45/36	550

* EC Prototype certificate no: KEMA 00ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.

KEMA

Technical data

			Type		Order No.	Pcs. / Pkt.
Spring cage terminal block, for mounting on ⊓	gray blue	terminal width 8.2 terminal width 8.2	**ST 6** **ST 6 BU**		**30 31 48 7** **30 31 49 0**	**50** **50**
(1) **End cover**	gray		**D-ST 6**		**30 30 43 3**	**50**
(2) **Plug-in bridge,** for cross-connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos.		**FBS 2-8** **FBS 3-8** **FBS 4-8** **FBS 5-8** **FBS 10-8**	$I_{max.}$: 41 A 41 A 41 A 41 A 41 A	**30 30 28 4** **30 30 29 7** **30 30 30 7** **30 30 31 0** **30 30 32 3**	**10** **10** **10** **10** **10**
(3) **Reducing bridge,** for connection of one ST 6 with ST 2,5 or ST 4			**RB ST 6-(2,5/4)**	$I_{max.}$: 48 A	**30 30 86 0**	**10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-ST 6**		**30 24 48 1**	**50**
(5) **Test adapter,** for 4 mm ∅ test connector PS and 4 mm ∅ safety test connectors, making contact in the bridge shaft			**PAI 4**		**30 30 92 5**	**10**
(6) **2.3 mm ∅ test connector[1]),** consisting of metal part and red insulating sleeve			**MPS-RD**		**02 01 55 3**	**10**
(7) **Modular test connector,** can be labeled with ZBF 8			**PS 8**		**30 31 00 5**	**10**
(8) **Warning cover,** for the operating shafts of the “mini-spring” ST spring cage terminal blocks			**WST 6**		**30 30 96 7**	**10**
(9) **Screwdriver,** for actuating the tension spring			**SZF 2 - 0,8 x 4,0**		**12 04 52 0**	**10**
(10) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(11) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 8:UNPRINTED**		**10 52 00 2**	**10**

Dimensions		
Width / length / end cover width	[mm]	8.2 / 69.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	43.5 / 51
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	52 / 10
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 6
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 6
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5
Stripping length	[mm]	12
Internal cylindrical gauge (IEC 60 947-1)		A 5
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	600 / 50 / 20 - 8
	CSA/CUL: [V] / [A] / AWG	600 / 50 / 20 - 8

[1]) Further colors on request.

Ground Terminal Block

ST 6-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.2-10	0.2-6	24-8
EN 50 019*	0.2-10	0.2-6	24-8

* EC Prototype certificate no.: KEMA 00ATEX2129U
For information on installation and usage of accessories for EEx e applications, see www.clipline.phoenixcontact.com.
Observe the current carrying capacity of mounting rails.

KEMA

Technical data

Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 8.2
(1) **End cover**	gray	
(2) **Screwdriver,** for actuating the tension spring		
(3) **Zack marker sheet,** flat, for labeling the outer marker grooves	white	
(4) **Zack strip,** 10-section, for labeling in the terminal center	white	

Dimensions		
Width / length / end cover width	[mm]	8.2 / 69.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	43.5 / 51
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	–
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 6
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 6
Stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5
Stripping length	[mm]	12
Internal cylindrical gauge (IEC 60 947-1)		A 5
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	– / – / 20 - 8
	CSA/CUL: [V] / [A] / AWG	– / – / 20 - 8

Type	Order No.	Pcs. Pkt.
ST 6-PE	**30 31 50 0**	**50**
D-ST 6	**30 30 43 3**	**50**
SZF 2 - 0,8 x 4,0	**12 04 52 0**	**10**
ZBF 8:UNPRINTED	**08 08 78 1**	**10**
ZB 8:UNPRINTED	**10 52 00 2**	**10**

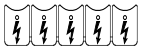
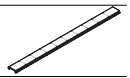
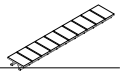
Feed-Through Terminal Block

ST 10

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.2-16	0.2-10	24-6	65	800

EC Prototype certificate from 3rd quarter 2002.

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray blue	terminal width 10.2 terminal width 10.2	**ST 10** **ST 10 BU**		**30 36 11 0** **30 36 12 3**	**50** **50**
(1) **End cover**	gray		**D-ST 10**		**30 36 64 4**	**50**
(2) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-10**	$I_{max.}$: 57 A	**30 05 94 7**	**10**
(3) **Reducing bridge,** for connection of one ST 10 with ST 2,5 or ST 4			**RB ST 10-(2,5/4)**	$I_{max.}$: 55 A	**30 30 87 3**	**10**
(4) **2.3 mm ∅ test connector[1])**, consisting of metal part and red insulating sleeve			**MPS-RD**		**02 01 55 3**	**10**
(5) **Warning cover,** for the operating shafts of the “mini-spring” ST spring cage terminal blocks			**WAZ 10**		**08 07 99 9**	**25**
(6) **Screwdriver,** for actuating the tension spring			**SZF 3 - 1,0 x 5,5**		**12 06 61 2**	**10**
(7) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(8) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 10:UNPRINTED**		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	10 / 71.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	65 / 16
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 10
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 10
Stranded with TWIN ferrule with plastic sleeve	[mm²]	1.5 - 2.5
Stripping length	[mm]	18
Internal cylindrical gauge (IEC 60 947-1)		A 6
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

[1]) Further colors on request.

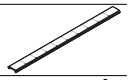
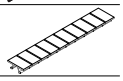
Ground Terminal Block

ST 10-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]
IEC 60 947-7-2	0.2-16	0.2-10	16-6	65

Observe the current carrying capacity of mounting rails.
EC Prototype certificate from 3rd quarter 2002.

Technical data

Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 10.2
(1) **End cover**	gray	
(2) **Plug-in bridge,** for cross connection in the terminal center	2-pos.	
(3) **Screwdriver,** for actuating the tension spring		
(4) **Zack marker sheet,** flat, for labeling the outer marker grooves	white	
(5) **Zack strip,** 10-section, for labeling in the terminal center	white	

Type		**Order No.**	Pcs. / Pkt.
ST 10-PE		**30 36 13 6**	**50**
D-ST 10		**30 36 64 4**	**50**
FBS 2-10	$I_{max.}$: 57 A	**30 05 94 7**	**10**
SZF 3 - 1,0 x 5,5		**12 06 61 2**	**10**
ZBF 8:UNPRINTED		**08 08 78 1**	**10**
ZB 10:UNPRINTED		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	10 / 71.5 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	50.5 / 58
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	65 / 16
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 10
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 10
Stranded with TWIN ferrule with plastic sleeve	[mm²]	1.5 - 2.5
Stripping length	[mm]	18
Internal cylindrical gauge (IEC 60 947-1)		A 6
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

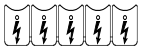
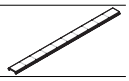
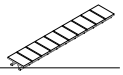
Feed-Through Terminal Block

ST 16

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.2-25	0.2-16	24-4	90	800

EC Prototype certificate from 3rd quarter 2002.

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray blue	terminal width 12 terminal width 12	**ST 16** **ST 16 BU**		**30 36 14 9** **30 36 15 2**	**50** **50**
(1) **End cover**	gray		**D-ST 16**		**30 36 65 7**	**50**
(2) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-12**	$I_{max.}$: 76 A	**30 05 95 0**	**10**
(3) **Reducing bridge,** for connection of one ST 16 with ST 2,5 or ST 4			**RB ST 16-(2,5/4)**	$I_{max.}$: 63 A	**30 30 88 6**	**10**
(4) **2.3 mm ∅ test connector[1])**, consisting of metal part and red insulating sleeve			**MPS-RD**		**02 01 55 3**	**10**
(5) **Warning cover,** for the operating shafts of the “mini-spring” ST spring cage terminal blocks			**WAZ 12**		**08 07 98 6**	**25**
(6) **Screwdriver,** for actuating the tension spring			**SZF 3 - 1,0 x 5,5**		**12 06 61 2**	**10**
(7) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(8) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 10:UNPRINTED**		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	12 / 80 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	51 / 58.5
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	90 / 25
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 16
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 16
Stranded with TWIN ferrule with plastic sleeve	[mm²]	1.5 - 4
Stripping length	[mm]	18
Internal cylindrical gauge (IEC 60 947-1)		A 7
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

[1]) Further colors on request.

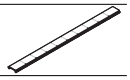
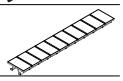
Ground Terminal Block

ST 16-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]
IEC 60 947-7-2	0.2-25	0.2-16	24-4	90

Observe the current carrying capacity of mounting rails.
EC Prototype certificate from 3rd quarter 2002.

Technical data

			Type		Order No.	Pcs. / Pkt.
Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 12	**ST 16-PE**		**30 36 16 5**	**25**
(1) **End cover**	gray		**D-ST 16**		**30 36 65 7**	**50**
(2) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-12**	$I_{max.}$: 76 A	**30 05 95 0**	**10**
(3) **Screwdriver,** for actuating the tension spring			**SZF 3 - 1,0 x 5,5**		**12 06 61 2**	**10**
(4) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(5) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 10:UNPRINTED**		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	12 / 80 / 2.2
Height (NS 35/7.5 / NS 35/15)	[mm]	51 / 58.5
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	90 / 25
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	0.25 - 16
Stranded with ferrule without plastic sleeve	[mm²]	0.25 - 16
Stranded with TWIN ferrule with plastic sleeve	[mm²]	1.5 - 4
Stripping length	[mm]	18
Internal cylindrical gauge (IEC 60 947-1)		A 7
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

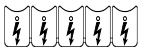
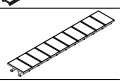
Feed-Through Terminal Block

ST 35

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	2.5-35	2.5-35	14-2	125	800

EC Prototype certificate from 3rd quarter 2002.

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	gray blue	terminal width 16 terminal width 16	**ST 35** **ST 35 BU**		**30 36 17 8** **30 36 18 1**	**10** **10**
(1) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-16**	$I_{max.}$: 101 A	**30 05 96 3**	**10**
(2) **Reducing bridge,** for connection of one ST 35 with ST 2,5 or ST 4			**RB ST 35-(2,5/4)**	$I_{max.}$: 63 A	**30 30 89 9**	**10**
(3) **2.3 mm ∅ test connector[1])**, consisting of metal part and red insulating sleeve			**MPS-RD**		**02 01 55 3**	**10**
(4) **Warning cover,** for the operating shafts of the “mini-spring” ST spring cage terminal blocks			**WAZ 16**		**08 07 97 3**	**10**
(5) **Screwdriver,** for actuating the tension spring			**SZF 3 - 1,0 x 5,5**		**12 06 61 2**	**10**
(6) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(7) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 10:UNPRINTED**		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	16 / 80 / –
Height (NS 35/7,5 / NS 35/15)	[mm]	59 / 66.5
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	125 / 35
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	2.5 - 35
Stranded with ferrule without plastic sleeve	[mm²]	2.5 - 35
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–
Stripping length	[mm]	25
Internal cylindrical gauge (IEC 60 947-1)		A 8
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–

[1]) Further colors on request.

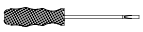
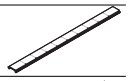
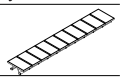
Ground Terminal Block

ST 35-PE

(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]
IEC 60 947-7-2	2.5-35	2.5-35	14-2	125

Observe the current carrying capacity of mounting rails.
EC Prototype certificate from 3rd quarter 2002.

Technical data

			Type		Order No.	Pcs. Pkt.
Spring cage terminal block, for mounting on ⊓	green-yellow	terminal width 16	**ST 35-PE**		**30 36 19 4**	**10**
(1) **Plug-in bridge,** for cross-connections in the terminal center	2-pos.		**FBS 2-16**	$I_{max.}$: 101 A	**30 05 96 3**	**10**
(2) **Screwdriver,** for actuating the tension spring			**SZF 3 - 1,0 x 5,5**		**12 06 61 2**	**10**
(3) **Zack marker sheet,** flat, for labeling the outer marker grooves	white		**ZBF 8:UNPRINTED**		**08 08 78 1**	**10**
(4) **Zack strip,** 10-section, for labeling in the terminal center	white		**ZB 10:UNPRINTED**		**10 53 00 1**	**10**

Dimensions		
Width / length / end cover width	[mm]	16 / 100 / –
Height (NS 35/7,5 / NS 35/15)	[mm]	59 / 66.5
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	125 / 35
Rated surge voltage / contamination class	[kV] / –	8 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Stranded with ferrule with plastic sleeve	[mm²]	2.5 - 35
Stranded with ferrule without plastic sleeve	[mm²]	2.5 - 35
Stranded with TWIN ferrule with plastic sleeve	[mm²]	–
Stripping length	[mm]	25
Internal cylindrical gauge (IEC 60 947-1)		A 8
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	–
	CSA/CUL: [V] / [A] / AWG	–