

## Spring Cage Installation Terminal Blocks

### STI 2,5 and STI 4

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The asymmetrically arranged terminal foot makes the STI series stand out against standard terminal blocks. This foot makes it possible to route the neutral busbar past the terminal strip and to fix it in the insulated supports. The neutral busbar makes contact via the screwless neutral-disconnect slide by simple levering with a screwdriver. Considerable space savings in the control cabinet can be made by using the "mini-spring" spring cage system, without having to give up the familiar high quality features such as the generous labeling option, maximum connection space and the flexible plug-in bridge system.

#### Assembly

In order to achieve a reliable contact between the disconnect slide and the neutral busbar, the AB-STI supports must be mounted at the beginning and end of each terminal strip or, in the case of longer terminal strips, approx. every 20 cm.






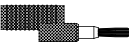





# Spring Cage Installation Terminal Block STI 2,5



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.2-4	0.2-2.5	24-12	32	400

## Technical data

<b>Spring cage installation terminal block,</b> for mounting on 		gray blue	terminal width 5.2 terminal width 5.2
(1) <b>End cover</b>		gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections			
Cross section range:	0.2 mm <sup>2</sup> 0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>		white gray black
(3) <b>Plug-in bridge</b> , for cross connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.		
(4) <b>Test adapter</b> , for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft			
(5) <b>2.3 mm Ø test connector</b> <sup>1)</sup> , consisting of metal part and red insulating sleeve			
(6) <b>Reducing plug</b>			
(7) <b>Screwdriver</b> , for actuating the tension spring			
(8) <b>Zack marker sheet</b> , flat, 120-section, for labeling the outer marker grooves		white	
(9) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges		white	

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35:7.5 / NS 35:15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]

<b>Stripping length</b>	[mm]
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### Internal cylindrical gauge (IEC 60 947-1)

<b>Insulation material</b>	
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Inflammability class in accordance with UL 94	
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### Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

<sup>1)</sup> Further colors are available on request.

Type	Order No.	Pcs. Pkt.
<b>STI 2,5</b>	<b>30 31 92 4</b>	<b>50</b>
<b>STI 2,5 BU</b>	<b>31 36 21 7</b>	<b>50</b>
<b>D-STI 2,5</b>	<b>30 30 56 9</b>	<b>50</b>
<b>ISH 2,5/0,2</b>	<b>30 02 84 3</b>	<b>50</b>
<b>ISH 2,5/0,5</b>	<b>30 02 85 6</b>	<b>50</b>
<b>ISH 2,5/1</b>	<b>30 02 86 9</b>	<b>50</b>
<b>FBS 2-5</b>	$I_{max}$ : 24 A	<b>30 30 16 1</b>
<b>FBS 3-5</b>	24 A	<b>3/0 30 17 4</b>
<b>FBS 4-5</b>	24 A	<b>30 30 18 7</b>
<b>FBS 5-5</b>	24 A	<b>30 30 19 0</b>
<b>FBS 10-5</b>	24 A	<b>30 30 21 3</b>
<b>FBS 20-5</b>	24 A	<b>30 30 22 6</b>
<b>PAI 4</b>		<b>30 30 92 5</b>
<b>MPS-RD</b>		<b>02 01 55 3</b>
<b>RPS</b>		<b>02 01 64 7</b>
<b>SZF 1 - 0,6 x 3,5</b>		<b>12 04 51 7</b>
<b>ZBFM 5 /WH:UNPRINTED</b>		<b>08 03 59 5</b>
<b>ZB 5: UNPRINTED</b>		<b>10 50 00 4</b>

5.2 / 59.5 / 2.2

43 / 50.5

32 / 4

6 / 3

III / I

0.25 - 2.5

0.25 - 2.5

0.5

10

A 3

PA

V0

-

-

# Spring Cage Ground Terminal Block STI 2,5-PE



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.2-4	0.2-2.5	24-12

The current carrying capacity of the mounting rails should be observed.

## Technical data

<b>Spring cage ground terminal block,</b> for mounting on  green-yellow terminal width 5.2		
(1) <b>End cover</b>	gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.2 mm <sup>2</sup> 0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>	white gray black
(3) <b>Screwdriver</b> , for actuating the tension spring		
(4) <b>Zack marker sheet</b> , flat, 120-section, for labeling the outer marker grooves		white
(5) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35:7.5 / NS 35:15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]
<b>Stripping length</b>	[mm]

### Internal cylindrical gauge (IEC 60 947-1)

### Insulation material

Inflammability class in accordance with UL 94	
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### Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

Type	Order No.	Pcs. Pkt.
STI 2,5-PE	30 31 93 7	50
D-STI 2,5	30 30 56 9	50
ISH 2,5/0,2	30 02 84 3	50
ISH 2,5/0,5	30 02 85 6	50
ISH 2,5/1	30 02 86 9	50
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBFM 5 /WH:UNPRINTED	08 03 59 5	10
ZB 5: UNPRINTED	10 50 00 4	10


5.2 / 59.5 / 2.2
43 / 50.5
-
6 / 3
III / I
0.25 - 2.5
0.25 - 2.5
0.5
10
A 3
PA
V0
-
-









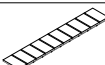
# Spring Cage Installation Terminal Block STN 2,5



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.2-4	0.2-2.5	24-12	32	400

## Technical data

**Spring cage neutral disconnect terminal block,**  
for mounting on  blue terminal width 5.2

(1) <b>End cover</b>	gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.2 mm <sup>2</sup> 0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>	white gray black
(3) <b>Plug-in bridge</b> , for cross connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) <b>Test adapter</b> , for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft		
(5) <b>2.3 mm Ø test connector<sup>1)</sup></b> , consisting of metal part and red insulating sleeve		
(6) <b>Reducing plug</b>		
(7) <b>Neutral busbar</b> , 3 x 10 mm, 1 m long, copper, tin-plated		
(8) <b>Support</b> , blue insulating material, for mounting the neutral busbar		
(9) <b>Screwdriver</b> , for actuating the tension spring		
(10) <b>Zack marker sheet</b> , flat, 120-section, for labeling the outer marker grooves		white
(11) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

### Dimensions

Width / length / end cover width	[mm]	5.2 / 59.5 / 2.2
Height (NS 35:7.5 / NS 35:15)	[mm]	43 / 50.5

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4
Current carrying capacity of the neutral busbar	[A]	140
Rated surge voltage / contamination class	[kV] / -	6 / 3
Surge voltage category / insulation material group	- / -	III / I

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]	0.25 - 2.5
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]	0.25 - 2.5
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]	0.5
<b>Stripping length</b>	[mm]	10

### Internal cylindrical gauge (IEC 60 947-1)

<b>Insulation material</b>	PA
Inflammability class in accordance 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	-

<sup>1)</sup> Further colors are available on request.






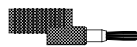


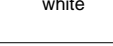

Type	Order No.	Pcs. Pkt.
STN 2,5	30 31 94 0	50
D-STI 2,5	30 30 56 9	50
ISH 2,5/0,2	30 02 84 3	50
ISH 2,5/0,5	30 02 85 6	50
ISH 2,5/1	30 02 86 9	50
FBS 2-5	I <sub>max</sub> : 24 A 30 30 16 1	10
FBS 3-5	24 A 3/0 30 17 4	10
FBS 4-5	24 A 30 30 18 7	10
FBS 5-5	24 A 30 30 19 0	10
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
RPS	02 01 64 7	10
NLS-CU 3/10	04 02 17 4	10
AB-STI	30 30 82 8	50
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBFM 5 /WH:UNPRINTED	08 03 59 5	10
ZB 5: UNPRINTED	10 50 00 4	10

# Spring Cage Installation Terminal Block STI 4



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.5-6	0.5-4	20-10	41	400

## Technical data

<b>Spring cage installation terminal block,</b> for mounting on 		gray blue	terminal width 6.2 terminal width 6.2
(1) <b>End cover</b>		gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:		0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>	gray black 
(3) <b>Plug-in bridge</b> , for cross connections in the terminal center		2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) <b>Test adapter</b> , for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft			
(5) <b>2.3 mm Ø test connector</b> <sup>1)</sup> , consisting of metal part and red insulating sleeve			
(6) <b>Reducing plug</b>			
(7) <b>Screwdriver</b> , for actuating the tension spring			
(8) <b>Zack marker sheet</b> , flat, 100-section, for labeling the outer marker grooves			white 
(9) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges		white	

### Dimensions

Width / length / end cover width	[mm]	6.2 / 66 / 2.2
Height (NS 35:7.5 / NS 35:15)	[mm]	43 / 50.5

### Technical data in accordance with IEC / DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6
Rated surge voltage / contamination class	[kV] / -	6 / 3
Surge voltage category / insulation material group	- / -	III / I

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 4
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]	0.5 - 4
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 1
<b>Stripping length</b>	[mm]	10

### Internal cylindrical gauge (IEC 60 947-1)

<b>Insulation material</b>		A 4
Inflammability class in accordance with UL 94		PA
		V0

### Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA/CUL: [V] / [A] / AWG	-

<sup>1)</sup> Further colors are available on request.

Type	Order No.	Pcs. Pkt.
<b>STI 4</b>	<b>30 31 95 3</b>	<b>50</b>
<b>STI 4 BU</b>	<b>31 36 22 0</b>	<b>50</b>
<b>D-STI 4</b>	<b>30 30 64 0</b>	<b>50</b>
<b>ISH 4/0,5</b>	<b>30 02 88 5</b>	<b>50</b>
<b>ISH 4/1</b>	<b>30 02 89 8</b>	<b>50</b>
<b>FBS 2-6</b>	$I_{max.}$ : 32 A	<b>30 30 33 6</b>
<b>FBS 3-6</b>	32 A	<b>30 30 24 2</b>
<b>FBS 4-6</b>	32 A	<b>30 30 25 5</b>
<b>FBS 5-6</b>	32 A	<b>30 30 34 9</b>
<b>FBS 10-6</b>	32 A	<b>30 30 27 1</b>
<b>FBS 20-6</b>	32 A	<b>30 30 36 5</b>
<b>PAI 4</b>	<b>30 30 92 5</b>	<b>10</b>
<b>MPS-RD</b>	<b>02 01 55 3</b>	<b>10</b>
<b>RPS</b>	<b>02 01 64 7</b>	<b>10</b>
<b>SZF 1 - 0,6 x 3,5</b>	<b>12 04 51 7</b>	<b>10</b>
<b>ZBFM 6 /WH:UNPRINTED</b>	<b>08 03 61 8</b>	<b>10</b>
<b>ZB 6:UNPRINTED</b>	<b>10 51 00 3</b>	<b>10</b>

# Spring Cage Ground Terminal Block STI 4-PE



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG
IEC 60 947-7-2	0.5-6	0.5-4	20-10

The current carrying capacity of the mounting rails should be observed.

## Technical data

<b>Spring cage ground terminal block,</b> for mounting on  green-yellow terminal width 6.2		
(1) <b>End cover</b>	gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>	gray black 
(3) <b>Screwdriver</b> , for actuating the tension spring		
(4) <b>Zack marker sheet</b> , flat, 100-section, for labeling the outer marker grooves		white 
(5) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35:7.5 / NS 35:15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]

<b>Stripping length</b>	[mm]
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### Internal cylindrical gauge (IEC 60 947-1)

<b>Insulation material</b>	
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Inflammability class in accordance with UL 94

### Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG


Type	Order No.	Pcs. Pkt.
STI 4-PE	30 31 96 6	50
D-STI 4	30 30 64 0	50
ISH 4/0,5 ISH 4/1	30 02 88 5 30 02 89 8	50 50
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBFM 6 /WH:UNPRINTED	08 03 61 8	10
ZB 6:UNPRINTED	10 51 00 3	10
	6.2 / 66 / 2.2	
	43 / 50.5	
	-	
	6 / 3	
	III / I	
	0.5 - 4	
	0.5 - 4	
	0.5 - 1	
	10	
	A 4	
	PA	
	V0	
	-	
	-	





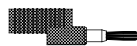



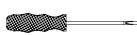
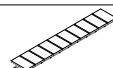
# Spring Cage Installation Terminal Block STN 4



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 60 947-7-1	0.5-6	0.5-4	20-10	36	250

## Technical data

**Spring cage neutral disconnect terminal block,**  
for mounting on  blue terminal width 6.2

(1) <b>End cover</b>	gray	
(2) <b>Insulating stop sleeve</b> , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.25-0.5 mm <sup>2</sup> 0.75-1 mm <sup>2</sup>	gray black 
(3) <b>Plug-in bridge</b> , for cross connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) <b>Test adapter</b> , for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft		
(5) <b>2.3 mm Ø test connector</b> <sup>1)</sup> , consisting of metal part and red insulating sleeve		
(6) <b>Reducing plug</b>		
(7) <b>Neutral busbar</b> , 3 x 10 mm, 1 m long, copper, tin-plated		
(8) <b>Support</b> , blue insulating material, for mounting the neutral busbar		
(9) <b>Screwdriver</b> , for actuating the tension spring		
(10) <b>Zack marker sheet</b> , flat, 100-section, for labeling the outer marker grooves	white	
(11) <b>Zack strip</b> , 10-section, for labeling in the terminal center and on the plug-in bridges	white	

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35:7.5 / NS 35:15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Current carrying capacity of the neutral busbar	[A]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Stranded with ferrule with plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrule without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]
<b>Stripping length</b>	[mm]

### Internal cylindrical gauge (IEC 60 947-1)

<b>Insulation material</b>	
Inflammability class in accordance with UL 94	

### Approval data (UL and CSA/CUL)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

<sup>1)</sup> Further colors are available on request.

Type	Order No.	Pcs. Pkt.
STN 4	30 31 97 9	50
D-STI 4	30 30 64 0	50
ISH 4/0,5 ISH 4/1	30 02 88 5 30 02 89 8	50 50
FBS 2-6 FBS 3-6 FBS 4-6 FBS 5-6 FBS 10-6 FBS 20-6	$I_{max.}$ : 32 A 32 A 32 A 32 A 32 A 32 A	10 10 10 10 10 10
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
RPS	02 01 64 7	10
NLS-CU 3/10	04 02 17 4	10
AB-STI	30 30 82 8	50
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBFM 6 /WH:UNPRINTED	08 03 61 8	10
ZB 6:UNPRINTED	10 51 00 3	10

6.2 / 66 / 2.2

43 / 50.5

36 / 6

140

6 / 3

III / I

0.5 - 4

0.5 - 4

0.5 - 1

10

A 4

PA

V0

-

-