

Spring Cage Installation Terminal Blocks

STI 2,5 and STI 4

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.

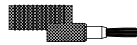
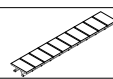


Spring Cage Installation Terminal Block STI 2,5



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

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]

Stripping length

[mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulation material

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

¹⁾ Further colors are available on request.

Type	Order No.	Pcs. Pkt.
STI 2,5	30 31 92 4	50
STI 2,5 BU	31 36 21 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
FBS 2-5	I _{max} : 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
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

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

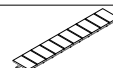
STI 2,5-PE



(IEC) [mm ²]	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

Spring cage ground terminal block, for mounting on  green-yellow terminal width 5.2		
(1) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	 white gray black
(3) Screwdriver , for actuating the tension spring		
(4) Zack marker sheet , flat, 120-section, for labeling the outer marker grooves		white
(5) Zack strip , 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 ²]
Rated surge voltage / contamination class		[kV] / –
Surge voltage category / insulation material group		– / –
Connection capacity		
Stranded with ferrule with plastic sleeve		[mm ²]
Stranded with ferrule without plastic sleeve		[mm ²]
Stranded with TWIN ferrule with plastic sleeve		[mm ²]
Stripping length		[mm]
Internal cylindrical gauge (IEC 60 947-1)		
Insulation material		
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 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		
–		
–		

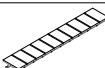
Spring Cage Installation Terminal Block STN 2,5



(IEC) [mm ²]	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) End cover	gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections Cross section range:	0.2 mm ² 0.25-0.5 mm ² 0.75-1 mm ²	white gray black
(3) Plug-in bridge , for cross connections in the terminal center	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Test adapter , for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft		
(5) 2.3 mm Ø test connector ¹⁾ , consisting of metal part and red insulating sleeve		
(6) Reducing plug		
(7) Neutral busbar , 3 x 10 mm, 1 m long, copper, tin-plated		
(8) Support , blue insulating material, for mounting the neutral busbar		
(9) Screwdriver , for actuating the tension spring		
(10) Zack marker sheet , flat, 120-section, for labeling the outer marker grooves	white	
(11) Zack strip , 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 ²]
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 ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]

Stripping length

	[mm]
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Internal cylindrical gauge (IEC 60 947-1)

Insulation material

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

¹⁾ 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 _{max} : 24 A	10
FBS 3-5	24 A	10
FBS 4-5	24 A	10
FBS 5-5	24 A	10
FBS 10-5	24 A	10
FBS 20-5	24 A	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

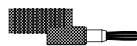
5.2 / 59.5 / 2.2
43 / 50.5
32 / 4
140
6 / 3
III / I
0.25 - 2.5
0.25 - 2.5
0.5
10
A 3
PA
V0
–
–

Spring Cage Installation Terminal Block STI 4



(IEC) [mm ²]	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

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

Connection capacity

Stranded with ferrule with plastic sleeve	[mm ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Stripping length	[mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulation material

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

¹⁾ Further colors are available on request.

Type	Order No.	Pcs. Pkt.
STI 4	30 31 95 3	50
STI 4 BU	31 36 22 0	50
D-STI 4	30 30 64 0	50
ISH 4/0,5	30 02 88 5	50
ISH 4/1	30 02 89 8	50
FBS 2-6	30 30 33 6	10
FBS 3-6	30 30 24 2	10
FBS 4-6	30 30 25 5	10
FBS 5-6	30 30 34 9	10
FBS 10-6	30 30 27 1	10
FBS 20-6	30 30 36 5	10
PAI 4	30 30 92 5	10
MPS-RD	02 01 55 3	10
RPS	02 01 64 7	10
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

41 / 6

6 / 3

III / I

0.5 - 4

0.5 - 4

0.5 - 1

10

A 4

PA

V0

–

–

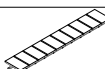
Spring Cage Ground Terminal Block STI 4-PE



(IEC) [mm ²]	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

Spring cage ground terminal block, for mounting on 			green-yellow	terminal width 6.2
(1) End cover			gray	
(2) Insulating stop sleeve , prevents unintentional clamping of insulation in the case of smaller cross sections				
Cross section range:			0.25-0.5 mm ² 0.75-1 mm ²	gray black
(3) Screwdriver , for actuating the tension spring				
(4) Zack marker sheet , flat, 100-section, for labeling the outer marker grooves				white
(5) Zack strip , 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 ²]
Rated surge voltage / contamination class				[kV] / –
Surge voltage category / insulation material group				– / –
Connection capacity				
Stranded with ferrule with plastic sleeve				[mm ²]
Stranded with ferrule without plastic sleeve				[mm ²]
Stranded with TWIN ferrule with plastic sleeve				[mm ²]
Stripping length				[mm]
Internal cylindrical gauge (IEC 60 947-1)				
Insulation material				
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		
–		
–		

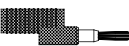
Spring Cage Installation Terminal Block STN 4



(IEC) [mm ²]	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) **End cover** gray 
- (2) **Insulating stop sleeve**, prevents unintentional clamping of insulation in the case of smaller cross sections
Cross section range: 0.25-0.5 mm² 0.75-1 mm² gray black 
- (3) **Plug-in bridge**, for cross connections in the terminal center 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. 
- (4) **Test adapter**, for 4 mm Ø test connector PS and 4 mm Ø safety test connector, making contact in the bridge shaft 
- (5) **2.3 mm Ø test connector ¹⁾**, consisting of metal part and red insulating sleeve 
- (6) **Reducing plug** 
- (7) **Neutral busbar**, 3 x 10 mm, 1 m long, copper, tin-plated 
- (8) **Support**, blue insulating material, for mounting the neutral busbar 
- (9) **Screwdriver**, for actuating the tension spring 
- (10) **Zack marker sheet**, flat, 100-section, for labeling the outer marker grooves white 
- (11) **Zack strip**, 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 ²]
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 ²]
Stranded with ferrule without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Stripping length	[mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulation material

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

¹⁾ 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
–
–

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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