

## 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.

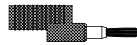
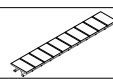


# Spring Cage Installation Terminal Block STI 2,5



| (IEC)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>stranded | AWG   | I<br>[A] | U<br>[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><br>for mounting on  |                                                                                                   |                                                                                     | gray<br>blue           | terminal width 5.2<br>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:<br>0.2 mm <sup>2</sup><br>0.25-0.5 mm <sup>2</sup><br>0.75-1 mm <sup>2</sup> |    | white<br>gray<br>black |                                          |
| (3) Plug-in bridge, for cross connections in the terminal center                                                                                     | 2-pos.<br>3-pos.<br>4-pos.<br>5-pos.<br>10-pos.<br>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 <sup>1)</sup> , 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 <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> ] |

### 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 |

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

| Type                 | Order No.                             | Pcs.<br>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 <sub>max</sub> : 24 A<br>30 30 16 1 | 10           |
| FBS 3-5              | 24 A<br>3/0 30 17 4                   | 10           |
| FBS 4-5              | 24 A<br>30 30 18 7                    | 10           |
| FBS 5-5              | 24 A<br>30 30 19 0                    | 10           |
| FBS 10-5             | 24 A<br>30 30 21 3                    | 10           |
| FBS 20-5             | 24 A<br>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

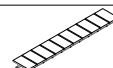
## STI 2,5-PE



| (IEC)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>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><br>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><br>0.25-0.5 mm <sup>2</sup><br>0.75-1 mm <sup>2</sup> | white<br>gray<br>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                                                                     |  |
| <b>Dimensions</b>                                                                                                                              |  |  |                                                                           |                                                                                    |
| Width / length / end cover width                                                                                                               |  |  |                                                                           | [mm]                                                                               |
| Height (NS 35:7.5 / NS 35:15)                                                                                                                  |  |  |                                                                           | [mm]                                                                               |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                                                          |  |  |                                                                           |                                                                                    |
| Maximum load current / cross section                                                                                                           |  |  |                                                                           | [A] / [mm <sup>2</sup> ]                                                           |
| Rated surge voltage / contamination class                                                                                                      |  |  |                                                                           | [kV] / –                                                                           |
| Surge voltage category / insulation material group                                                                                             |  |  |                                                                           | – / –                                                                              |
| <b>Connection capacity</b>                                                                                                                     |  |  |                                                                           |                                                                                    |
| 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]                                                                               |
| <b>Internal cylindrical gauge (IEC 60 947-1)</b>                                                                                               |  |  |                                                                           |                                                                                    |
| <b>Insulation material</b>                                                                                                                     |  |  |                                                                           |                                                                                    |
| Inflammability class in accordance with UL 94                                                                                                  |  |  |                                                                           |                                                                                    |
| <b>Approval data (UL and CSA/CUL)</b>                                                                                                          |  |  |                                                                           |                                                                                    |
| Nom. voltage / nom. current / conduc. sizes                                                                                                    |  |  | UL: [V] / [A] / AWG                                                       |                                                                                    |
|                                                                                                                                                |  |  | CSA/CUL: [V] / [A] / AWG                                                  |                                                                                    |

| Type                 | Order No.  | Pcs.<br>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                   |            |              |
| –                    |            |              |
| –                    |            |              |

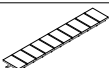
# Spring Cage Installation Terminal Block STN 2,5



| (IEC)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>stranded | AWG   | I<br>[A] | U<br>[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<br>Cross section range: | 0.2 mm <sup>2</sup><br>0.25-0.5 mm <sup>2</sup><br>0.75-1 mm <sup>2</sup> | white<br>gray<br>black                                                              |
| (3) <b>Plug-in bridge</b> ,<br>for cross connections in the terminal center                                                                     | 2-pos.<br>3-pos.<br>4-pos.<br>5-pos.<br>10-pos.<br>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> ,<br>3 x 10 mm, 1 m long,<br>copper, tin-plated                                                                       |                                                                           |  |
| (8) <b>Support</b> , blue insulating material,<br>for mounting the neutral busbar                                                               |                                                                           |  |
| (9) <b>Screwdriver</b> , for<br>actuating the tension spring                                                                                    |                                                                           |  |
| (10) <b>Zack marker sheet</b> , flat, 120-section,<br>for labeling the outer marker grooves                                                     | white                                                                     |                                                                                     |
| (11) <b>Zack strip</b> , 10-section, for<br>labeling in the terminal center<br>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> ] |

### 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 |

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

| Type                 | Order No.               | Pcs.<br>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 | 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)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>stranded | AWG   | I<br>[A] | U<br>[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><br>for mounting on                                                                              |                                                            |  | gray<br>blue  | terminal width 6.2<br>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<br>Cross section range: | 0.25-0.5 mm <sup>2</sup><br>0.75-1 mm <sup>2</sup>         |  | gray<br>black |                                          |
| (3) <b>Plug-in bridge</b> ,<br>for cross connections in the terminal center                                                                     | 2-pos.<br>3-pos.<br>4-pos.<br>5-pos.<br>10-pos.<br>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] |
| 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

### 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.<br>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>              | <b>30 30 33 6</b> | <b>10</b>    |
| <b>FBS 3-6</b>              | <b>30 30 24 2</b> | <b>10</b>    |
| <b>FBS 4-6</b>              | <b>30 30 25 5</b> | <b>10</b>    |
| <b>FBS 5-6</b>              | <b>30 30 34 9</b> | <b>10</b>    |
| <b>FBS 10-6</b>             | <b>30 30 27 1</b> | <b>10</b>    |
| <b>FBS 20-6</b>             | <b>30 30 36 5</b> | <b>10</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>    |

|                |
|----------------|
| 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             |
| –              |
| –              |

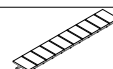
# Spring Cage Ground Terminal Block STI 4-PE



| (IEC)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>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><br>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><br>0.75-1 mm <sup>2</sup> | gray<br>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                                              |  |
| <b>Dimensions</b>                                                                                                                              |  |  |                                                    |                                                                                    |
| Width / length / end cover width                                                                                                               |  |  |                                                    | [mm]                                                                               |
| Height (NS 35:7.5 / NS 35:15)                                                                                                                  |  |  |                                                    | [mm]                                                                               |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                                                          |  |  |                                                    |                                                                                    |
| Maximum load current / cross section                                                                                                           |  |  |                                                    | [A] / [mm <sup>2</sup> ]                                                           |
| Rated surge voltage / contamination class                                                                                                      |  |  |                                                    | [kV] / –                                                                           |
| Surge voltage category / insulation material group                                                                                             |  |  |                                                    | – / –                                                                              |
| <b>Connection capacity</b>                                                                                                                     |  |  |                                                    |                                                                                    |
| 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]                                                                               |
| <b>Internal cylindrical gauge (IEC 60 947-1)</b>                                                                                               |  |  |                                                    |                                                                                    |
| <b>Insulation material</b>                                                                                                                     |  |  |                                                    |                                                                                    |
| Inflammability class in accordance with UL 94                                                                                                  |  |  |                                                    |                                                                                    |
| <b>Approval data (UL and CSA/CUL)</b>                                                                                                          |  |  |                                                    |                                                                                    |
| Nom. voltage / nom. current / conduc. sizes                                                                                                    |  |  | UL: [V] / [A] / AWG                                |                                                                                    |
|                                                                                                                                                |  |  | CSA/CUL: [V] / [A] / AWG                           |                                                                                    |

| Type                 | Order No.                | Pcs.<br>Pkt. |
|----------------------|--------------------------|--------------|
| STI 4-PE             | 30 31 96 6               | 50           |
| D-STI 4              | 30 30 64 0               | 50           |
| ISH 4/0,5<br>ISH 4/1 | 30 02 88 5<br>30 02 89 8 | 50<br>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                   |                          |              |
| –                    |                          |              |
| –                    |                          |              |

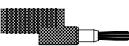
# Spring Cage Installation Terminal Block STN 4



| (IEC)<br>[mm <sup>2</sup> ] | rigid<br>solid | flexible<br>stranded | AWG   | I<br>[A] | U<br>[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 mm<sup>2</sup> 0.75-1 mm<sup>2</sup> 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 <sup>1)</sup>**, 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 <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)

### 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 |

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

| Type                                                             | Order No.                                                 | Pcs.<br>Pkt.                     |
|------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|
| STN 4                                                            | 30 31 97 9                                                | 50                               |
| D-STI 4                                                          | 30 30 64 0                                                | 50                               |
| ISH 4/0,5<br>ISH 4/1                                             | 30 02 88 5<br>30 02 89 8                                  | 50<br>50                         |
| FBS 2-6<br>FBS 3-6<br>FBS 4-6<br>FBS 5-6<br>FBS 10-6<br>FBS 20-6 | $I_{max.}$ : 32 A<br>32 A<br>32 A<br>32 A<br>32 A<br>32 A | 10<br>10<br>10<br>10<br>10<br>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             |
| –              |
| –              |



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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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