

Three-Conductor Spring Cage Terminal Blocks ST ...-TWIN

The three-conductor spring cage terminal blocks ST...-TWIN are a space-saving and economic alternative to standard feed-through terminals when it comes to power distribution.

In practice, three connections often have to be led to one terminal block. This task can be realized with the TWIN variant without needing any additional terminal blocks or bridges.

The universal FBS plug-in bridge system allows cross-connection to neighboring feed-through terminal blocks.



Three-Conductor Spring Cage Terminal Block

ST 1,5-TWIN



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] |
|-----------------------------|----------------|----------------------|-------|----------|----------|
| IEC 60 947-7-1 | 0.14-1.5 | 0.14-1.5 | 26-16 | 17.5** | 500 |
| EN 50 019* | 0.14-1.5 | 0.14-1.5 | 26-16 | 17.5** | 420 |

* EU certificate of design approval no.: KEMA 01ATEX2129U

For installation notes and the use of accessories for EEx e applications see www.clipline.phoenixcontact.com.

** The max. load current must not be exceeded by the total current of all connected conductors.

KEMA

Technical data

| Spring cage terminal block, for mounting on | | gray | terminal width 4.2 |
|---|--------------------------|--------------------------|--------------------|
| | | blue | terminal width 4.2 |
| | | orange | terminal width 4.2 |
| | | red | terminal width 4.2 |
| | | black | terminal width 4.2 |
| (1) End cover | | gray | |
| (2) Segment cover, for covering projecting terminal segments | | gray | |
| (3) Insulating stop sleeve, prevents unintentional clamping of the insulation in the case of smaller cross sections | | white | |
| Cross section range: | 0.2 mm ² | gray | |
| | 0.25-0.5 mm ² | | |
| (4) Plug-in bridge, for cross-connections in the terminal center | 2-pos. | | |
| | 3-pos. | | |
| | 4-pos. | | |
| | 5-pos. | | |
| | 10-pos. | | |
| | 20-pos. | | |
| (5) Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | | | |
| (6) Test adapter, for 4 mm test connector PS and 4 mm safety test connectors, making contact in the bridge shaft | | | |
| (7) Modular test connector, for the individual assembly of test connector strips, can be labeled with ZBFM 4 | | | |
| (8) Screwdriver, for actuating the tension spring | | | |
| (9) Zack marker sheet, flat, 100-section, for labeling the outer marker grooves | | white | |
| (10) Zack strip, 10-section, for labeling in the terminal center and on the plug-in bridges | | white | |
| Dimensions | | | |
| Width / length / end cover width | | [mm] | 4.2 / 60.5 / 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] / [mm ²] | 17.5 / 1.5 |
| Rated surge voltage / contamination class | | [kV] / - | 6 / 3 |
| Surge voltage category / insulation material group | | - / - | III / I |
| Capacity connection | | | |
| Stranded with ferrule with plastic sleeve | | [mm ²] | 0.25 - 1.5 |
| Stranded with ferrule without plastic sleeve | | [mm ²] | 0.25 - 1.5 |
| Stranded with TWIN ferrule with plastic sleeve | | [mm ²] | 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 | | - |

| Type | Order No. | Pcs. Pkt. |
|----------------------|------------------------------|--------------|
| ST 1,5-TWIN | 30 31 12 8 | 50 |
| ST 1,5-TWIN BU | 30 31 13 1 | 50 |
| ST 1,5-TWIN OG | 30 37 25 8 | 50 |
| ST 1,5-TWIN RD | 30 37 27 4 | 50 |
| ST 1,5-TWIN BK | 30 37 30 0 | 50 |
| D-ST 2,5-TWIN | 30 30 48 8 | 50 |
| DS-ST 2,5 | 30 36 60 2 | 50 |
| ISH 1,5/0,2 | 32 06 13 1 | 50 |
| ISH 1,5/0,5 | 30 31 03 4 | 50 |
| FBS 2-4 | $I_{max}: 17.5 A$ 30 30 11 6 | 50 |
| FBS 3-4 | 17.5 A 30 30 12 9 | 50 |
| FBS 4-4 | 17.5 A 30 30 13 2 | 50 |
| FBS 5-4 | 17.5 A 30 30 14 5 | 50 |
| FBS 10-4 | 17.5 A 30 30 15 8 | 10 |
| FBS 20-4 | 17.5 A 30 30 35 2 | 10 |
| ATP-ST-TWIN | 30 30 78 9 | 50 |
| PAI 4 | 30 30 92 5 | 10 |
| PS-4 | 30 30 97 0 | 10 |
| SZF 0 - 0,4 x 2,5 | 12 04 50 4 | 10 |
| ZBFM 4 /WH:UNPRINTED | 08 03 57 9 | 10 |
| ZB 4:UNPRINTED | 08 05 00 1 | 10 |

Three-Conductor Spring Cage Ground Terminal Block

ST 1,5-TWIN-PE



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG |
|-----------------------------|----------------|----------------------|-------|
| IEC 60 947-7-2 | 0.14-1.5 | 0.14-1.5 | 26-16 |
| EN 50 019* | 0.14-1.5 | 0.14-1.5 | 26-16 |

* EU certificate of design approval no.: KEMA 01ATEX2129U
For installation notes and the use of accessories for EEx e applications
see www.clipline.phoenixcontact.com.
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 4.2

(1) **End cover** gray

(2) **Segment cover**, for covering projecting terminal segments gray

(3) **Insulating stop sleeve**, prevents unintentional clamping of the insulation in the case of smaller cross sections
Cross section range: 0.2 mm² / 0.25-0.5 mm² white / gray

(4) **Screwdriver**, for actuating the tension spring

(5) **Zack marker sheet**, flat, 100-section, for labeling the outer marker grooves white

(6) **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]

4.2 / 60.5 / 2.2
36.5 / 44

Technical data in accordance with IEC/ DIN VDE

Maximum load current/ cross section [A] / [mm²]
Rated surge voltage / contamination class [kV] / -
Surge voltage category / insulation material group - / -

-
6 / 3
III / I

Capacity connection

Stranded with ferrule with plastic sleeve [mm²]
Stranded with ferrule without plastic sleeve [mm²]
Stranded with TWIN ferrule with plastic sleeve [mm²]
Stripping length [mm]

0.25 - 1.5
0.25 - 1.5
0.5
10

Internal cylindrical gauge (IEC 60 947-1)

A 1

Insulating material

Inflammability class in acc. 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

-
-

| Type | Order No. | Pcs. Pkt. |
|----------------------|------------|--------------|
| ST 1,5-TWIN-PE | 30 31 14 4 | 50 |
| D-ST 2,5-TWIN | 30 30 48 8 | 50 |
| DS-ST 2,5 | 30 36 60 2 | 50 |
| ISH 1,5/0,2 | 32 06 13 1 | 50 |
| ISH 1,5/0,5 | 30 31 03 4 | 50 |
| SZF 0 - 0,4 x 2,5 | 12 04 50 4 | 10 |
| ZBFM 4 /WH:UNPRINTED | 08 03 57 9 | 10 |
| ZB 4:UNPRINTED | 08 05 00 1 | 10 |

Three-Conductor Spring Cage Terminal Block

ST 2,5-TWIN



| (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 | 28** | 800 |
| EN 50 019* | 0.2-4 | 0.2-2.5 | 24-12 25/21** | 550 | |

* EU certificate of design approval no.: KEMA 00ATEX2052U
 For installation notes and the use of accessories for EEx e applications see www.clipline.phoenixcontact.com.
 ** The max. load current must not be exceeded by the total current of all connected conductors.

Technical data

| Spring cage terminal block, for mounting on | | gray | terminal width 5.2 |
|---|--|--------------------------|--------------------|
| | | blue | terminal width 5.2 |
| | | orange | terminal width 5.2 |
| | | red | terminal width 5.2 |
| | | black | terminal width 5.2 |
| (1) End cover | | gray | |
| (2) Segment cover, for covering projecting terminal segments | | gray | |
| (3) Insulating stop sleeve, prevents unintentional clamping of the insulation in the case of smaller cross sections Cross section range: | | | |
| | | 0.2 mm ² | white |
| | | 0.25-0.5 mm ² | gray |
| | | 0.75-1 mm ² | black |
| (4) Plug-in bridge, for cross-connections in the terminal center | | 2-pos. | |
| | | 3-pos. | |
| | | 4-pos. | |
| | | 5-pos. | |
| | | 10-pos. | |
| | | 20-pos. | |
| (5) Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | | | |
| (6) Test adapter, for 4 mm test connector PS and 4 mm safety test connectors, making contact in the bridge shaft | | | |
| (7) 2.3 mm test connector ¹⁾ , consisting of metal part and red insulating sleeve | | | |
| (8) Modular test connector, can be labeled with ZBFM 5 | | | |
| (9) Warning cover, for the operating shafts of the "mini-spring" ST spring cage terminal blocks | | | |
| (10) Screwdriver, for actuating the tension spring | | | |
| (11) Zack marker sheet, flat, 120-section, for labeling the outer marker grooves | | white | |
| (12) 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 | - / - |

Capacity connection

| | |
|--|--------------------|
| 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)

| | |
|---|--|
| Insulating material | |
| Inflammability class in acc. 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. |
|----------------------|------------------|--------------|
| ST 2,5-TWIN | 30 31 24 1 | 50 |
| ST 2,5-TWIN BU | 30 31 25 4 | 50 |
| ST 2,5-TWIN OG | 30 31 98 2 | 50 |
| ST 2,5-TWIN RD | 30 31 99 5 | 50 |
| ST 2,5-TWIN BK | 30 37 34 2 | 50 |
| D-ST 2,5-TWIN | 30 30 48 8 | 50 |
| DS-ST 2,5 | 30 36 60 2 | 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 |
| FBS 3-5 | 24 A | 30 30 17 4 |
| FBS 4-5 | 24 A | 30 30 18 7 |
| FBS 5-5 | 24 A | 30 30 19 0 |
| FBS 10-5 | 24 A | 30 30 21 3 |
| FBS 20-5 | 24 A | 30 30 22 6 |
| ATP-ST-TWIN | 30 30 78 9 | 50 |
| PAI 4 | 30 30 92 5 | 10 |
| MPS-RD | 02 01 55 3 | 10 |
| PS 5 | 30 30 98 3 | 10 |
| WST 2,5 | 30 30 94 1 | 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 / 60.5 / 2.2

36.5 / 44

28 / 4

8 / 3

III / I

0.25 - 2.5

0.25 - 2.5

0.5

10

A 3

PA

V0

600 / 20 / 26 - 12

600 / 20 / 26 - 12

¹⁾ Further colors are available on request.

Three-Conductor Spring Cage Ground Terminal Block ST 2,5-TWIN-PE






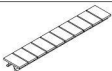


| (IEC) [mm ²] | rigid solid | flexible stranded | AWG |
|-----------------------------|----------------|----------------------|-------|
| IEC 60 947-7-2 | 0.2-4 | 0.2-2.5 | 24-12 |
| EN 50 019* | 0.2-4 | 0.2-2.5 | 24-12 |

* EU certificate of design approval no.: KEMA 00ATEX2052U
For installation notes and the use of accessories for EEx e applications
see www.clipline.phoenixcontact.com.
The current carrying capacity of the mounting rails should be observed.

UL 94 V0 KEMA

Technical data

| | | | |
|---|--------------------------|---|--|
| Spring cage terminal block, for mounting on  | green-yellow | terminal width 5.2 | |
| (1) End cover | gray |  | |
| (2) Segment cover, for covering projecting terminal segments | gray |  | |
| (3) Insulating stop sleeve, prevents unintentional clamping of the insulation in the case of smaller cross sections Cross section range: | |  | |
| | 0.2 mm ² | white | |
| | 0.25-0.5 mm ² | gray | |
| | 0.75-1 mm ² | black | |
| (4) Screwdriver, for actuating the tension spring | |  | |
| (5) Zack marker sheet, flat, 120-section, for labeling the outer marker grooves | | white | |
| (6) Zack strip, 10-section, for labeling in the terminal center and on the plug-in bridges | white |  | |

Dimensions

| | | |
|----------------------------------|------|------------------|
| Width / length / end cover width | [mm] | 5.2 / 60.5 / 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] / [mm ²] | – |
| Rated surge voltage / contamination class | [kV] / – | 8 / 3 |
| Surge voltage category / insulation material group | – / – | III / I |

Capacity connection

| | | |
|--|--------------------|------------|
| Stranded with ferrule with plastic sleeve | [mm ²] | 0.25 - 2.5 |
| Stranded with ferrule without plastic sleeve | [mm ²] | 0.25 - 2.5 |
| Stranded with TWIN ferrule with plastic sleeve | [mm ²] | 0.5 |
| Stripping length | [mm] | 10 |

Internal cylindrical gauge (IEC 60 947-1)

| | | |
|---|--|----|
| 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 | 26 - 12 |
| | CSA/CUL: [V] / [A] / AWG | 26 - 12 |

| Type | Order No. | Pcs. Pkt. |
|----------------------|------------|--------------|
| ST 2,5-TWIN-PE | 30 31 26 7 | 50 |
| D-ST 2,5-TWIN | 30 30 48 8 | 50 |
| DS-ST 2,5 | 30 36 60 2 | 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 |

Three-Conductor Spring Cage Ground Terminal Block

ST 4-TWIN



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] |
|-----------------------------|----------------|----------------------|-------|----------|----------|
| IEC 60 947-7-1 | 0.2-6 | 0.2-4 | 24-10 | 40** | 800 |
| EN 50 019* | 0.2-6 | 0.2-4 | 24-10 | 34/29** | 550 |

* EU certificate of design approval no.: KEMA 00ATEX2129U
For installation notes and the use of accessories for EEx e applications see www.clipline.phoenixcontact.com.
** The max. load current must not be exceeded by the total current of all connected conductors.

Technical data

| Spring cage terminal block, for mounting on | | gray | terminal width 6.2 |
|---|--------------------------|--|--------------------|
| | | blue | terminal width 6.2 |
| | | orange | terminal width 6.2 |
| | | red | terminal width 6.2 |
| | | black | terminal width 6.2 |
| (1) End cover | | gray | |
| (2) Segment cover, for covering projecting terminal segments | | gray | |
| (3) Insulating stop sleeve, prevents unintentional clamping of the insulation in the case of smaller cross sections Cross section range: | | gray black | |
| | | 0.25-0.5 mm ² 0.75-1 mm ² | |
| (4) Plug-in bridge, for cross-connections in the terminal center | | 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. | |
| (5) Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | | | |
| (6) Test adapter, for 4 mm test connector PS and 4 mm safety test connectors, making contact in the bridge shaft | | | |
| (7) 2.3 mm test connector ¹⁾ , consisting of metal part and red insulating sleeve | | | |
| (8) Modular test connector, can be labeled with ZBFM 6 | | | |
| (9) Warning cover, for the operating shafts of the "mini-spring" ST spring cage terminal blocks | | | |
| (10) Screwdriver, for actuating the tension spring | | | |
| (11) Zack marker sheet, flat, 100-section, for labeling the outer marker grooves | | white | |
| (12) Zack strip, 10-section, for labeling in the terminal center and on the plug-in bridges | | white | |
| Dimensions | | | |
| Width / length / end cover width | | [mm] | 6.2 / 71.5 / 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] / [mm ²] | 40 / 6 |
| Rated surge voltage / contamination class | | [kV] / - | 8 / 3 |
| Surge voltage category / insulation material group | | - / - | III / I |
| Capacity connection | | | |
| Stranded with ferrule with plastic sleeve | | [mm ²] | 0.25 - 4 |
| Stranded with ferrule without plastic sleeve | | [mm ²] | 0.25 - 4 |
| Stranded with TWIN ferrule with plastic sleeve | | [mm ²] | 0.5 - 1 |
| Stripping length | | [mm] | 10 |
| Internal cylindrical gauge (IEC 60 947-1) | | | A 4 |
| Insulating material | | | |
| Inflammability class in acc. with UL 94 | | | PA 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 |

| Type | Order No. | Pcs. Pkt. |
|----------------------|------------------|--------------|
| ST 4-TWIN | 30 31 39 3 | 50 |
| ST 4-TWIN BU | 30 31 40 3 | 50 |
| ST 4-TWIN OG | 30 37 35 5 | 50 |
| ST 4-TWIN RD | 30 37 37 1 | 50 |
| ST 4-TWIN BK | 30 37 40 7 | 50 |
| D-ST 4-TWIN | 30 30 49 1 | 50 |
| DS-ST 4 | 30 36 61 5 | 50 |
| ISH 4/0,5 | 30 02 88 5 | 50 |
| ISH 4/1 | 30 02 89 8 | 50 |
| FBS 2-6 | I_{max} : 32 A | 30 30 33 6 |
| FBS 3-6 | 32 A | 30 30 24 2 |
| FBS 4-6 | 32 A | 30 30 25 5 |
| FBS 5-6 | 32 A | 30 30 34 9 |
| FBS 10-6 | 32 A | 30 30 27 1 |
| FBS 20-6 | 32 A | 30 30 36 5 |
| ATP-ST-TWIN | 30 30 78 9 | 50 |
| PAI 4 | 30 30 92 5 | 10 |
| MPS-RD | 02 01 55 3 | 10 |
| PS 6 | 30 30 99 6 | 10 |
| WST 4 | 30 30 95 4 | 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 |

¹⁾ Further colors are available on request.

Three-Conductor Spring Cage Ground Terminal Block

ST 4-TWIN-PE



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG |
|-----------------------------|----------------|----------------------|-------|
| IEC 60 947-7-2 | 0.2-6 | 0.2-4 | 24-10 |
| EN 50 019* | 0.2-6 | 0.2-4 | 24-10 |

* EU certificate of design approval no.: KEMA 00ATEX2129U
For installation notes and the use of accessories for EEx e applications
see www.clipline.phoenixcontact.com.
The current carrying capacity of the mounting rails should be observed.

UL 95 CE KEMA

Technical data

| Spring cage ground terminal block, for mounting on green-yellow terminal width 6.2 | |
|---|---|
| (1) End cover | gray |
| (2) Segment cover, for covering projecting terminal segments | gray |
| (3) Insulating stop sleeve, prevents unintentional clamping of the insulation in the case of smaller cross sections Cross section range: | gray black 0.25-0.5 mm ² 0.75-1 mm ² |
| (4) Screwdriver, for actuating the tension spring | |
| (5) Zack marker sheet, flat, 100-section, for labeling the outer marker grooves | white |
| (6) Zack strip, 10-section, for labeling in the terminal center and on the plug-in bridges | white |
| Dimensions | |
| Width / length / end cover width | [mm] 6.2 / 71.5 / 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] / [mm ²] - |
| Rated surge voltage / contamination class | [kV] / - 8 / 3 |
| Surge voltage category / insulation material group | - / - III / I |
| Capacity connection | |
| Stranded with ferrule with plastic sleeve | [mm ²] 0.25 - 4 |
| Stranded with ferrule without plastic sleeve | [mm ²] 0.25 - 4 |
| Stranded with TWIN ferrule with plastic sleeve | [mm ²] 0.5 - 1 |
| Stripping length | [mm] 10 |
| Internal cylindrical gauge (IEC 60 947-1) | A 4 |
| Insulating material | |
| Inflammability class in acc. with UL 94 | PA 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 |

| Type | Order No. | Pcs. Pkt. |
|----------------------|------------|--------------|
| ST 4-TWIN-PE | 30 31 41 6 | 50 |
| D-ST 4-TWIN | 30 30 49 1 | 50 |
| DS-ST 4 | 30 36 61 5 | 50 |
| ISH 4/0,5 | 30 02 88 5 | 50 |
| ISH 4/1 | 30 02 89 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 |

Three-Conductor Spring Cage Terminal Block

ST 6-TWIN



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] |
|-----------------------------|----------------|----------------------|------|----------|----------|
| IEC 60 947-7-1 | 0.5-10 | 0.5-6 | 20-8 | 52* | 800 |

* The max. load current must not be exceeded by the total current of all connected conductors.

UL CE RoHS KEMA

Technical data

| | | | |
|---|---|--|--|
| Spring cage terminal block, for mounting on | gray blue | terminal width 8.2 terminal width 8.2 | |
| (1) End cover | gray | | |
| (2) Plug-in bridge, for cross-connections in the terminal center | 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. | | |
| (3) Reducing bridge, to connect ST 6 with ST 2,5 or ST 4 | | | |
| (4) Test adapter, for 4 mm test connector PS and 4 mm safety test connectors, making contact in the bridge shaft | | | |
| (5) 2.3 mm test connector ¹⁾ , consisting of metal part and red insulating sleeve | | | |
| (6) Modular test connector, can be labeled with ZBFM 8 | | | |
| (7) Warning cover, for the operating shafts of the "mini-spring" ST spring cage terminal blocks | | | |
| (8) Screwdriver, for actuating the tension spring | | | |
| (9) Zack marker sheet, flat, 50-section, for labeling the outer marker grooves | | white | |
| (10) 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 | - / - |

Capacity connection

| | |
|--|--------------------|
| 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)

Insulating material

| | |
|---|--|
| Inflammability class in acc. 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. |
|-----------------------------|-------------------|--------------|
| ST 6-TWIN | 30 36 46 6 | 50 |
| ST 6-TWIN BU | 30 36 47 9 | 50 |
| D-ST 6-TWIN | 30 36 76 7 | 50 |
| FBS 2-8 | 30 30 28 4 | 10 |
| FBS 3-8 | 30 30 29 7 | 10 |
| FBS 4-8 | 30 30 30 7 | 10 |
| FBS 5-8 | 30 30 31 0 | 10 |
| FBS 10-8 | 30 30 32 3 | 10 |
| RB ST 6-(2,5/4) | 30 30 86 0 | 10 |
| PAI 4 | 30 30 92 5 | 10 |
| MPS-RD | 02 01 55 3 | 10 |
| PS 8 | 30 31 00 5 | 10 |
| WST 6 | 30 30 96 7 | 10 |
| SZF 2 - 0,8 x 4,0 | 12 04 52 0 | 10 |
| ZBFM 8 /WH:UNPRINTED | 08 00 73 4 | 10 |
| ZB 8:UNPRINTED | 10 52 00 2 | 10 |

| | |
|--|------------------|
| | 8.2 / 90.5 / 2.2 |
| | 43.5 / 51 |
| | 52 / 10 |
| | 8 / 3 |
| | III / I |
| | 0.5 - 6 |
| | 0.5 - 6 |
| | 0.5 - 1.5 |
| | 12 |
| | A 5 |
| | PA |
| | V0 |
| | - |
| | - |

Three-Conductor Spring Cage Ground Terminal Block


ST 6-TWIN-PE



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG |
|-----------------------------|----------------|----------------------|------|
| IEC 60 947-7-2 | 0.5-10 | 0.5-6 | 20-8 |


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

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, 50-section, for labeling the outer marker grooves white 

(4) **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] / [mm²]
Rated surge voltage / contamination class [kV] / -
Surge voltage category / insulation material group - / -

Capacity connection

Stranded with ferrule with plastic sleeve [mm²]
Stranded with ferrule without plastic sleeve [mm²]
Stranded with TWIN ferrule with plastic sleeve [mm²]

Stripping length [mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulating material

Inflammability class in acc. 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. |
|----------------------|------------|--------------|
| ST 6-TWIN-PE | 30 36 48 2 | 50 |
| D-ST 6-TWIN | 30 36 76 7 | 50 |
| SZF 2 - 0,8 x 4,0 | 12 04 52 0 | 10 |
| ZBFM 8 /WH:UNPRINTED | 08 00 73 4 | 10 |
| ZB 8:UNPRINTED | 10 52 00 2 | 10 |

8.2 / 90.5 / 2.2

43.5 / 51

-

8 / 3

III / I

0.5 - 6

0,5 - 6

0.5 - 1.5

12

A 5

PA

V0

-

-

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