

ST-COMBI 4 mm² Pluggable Spring-Cage Terminal Blocks

The fields of application for the pluggable ST-COMBI spring-cage terminal blocks has been added to with solutions for larger conductor cross sections and a higher nominal current.

The product range includes both feed-through terminal blocks with one cable entry and four-wire terminal blocks with two cable entries. Ground terminal blocks with the same shape and the same pitch are available for the various base terminal blocks. Contact is made by simply snapping the terminal block onto the mounting rail.

The corresponding plug types SP 4... can either be ordered ready assembled with 1-15 positions, or the individual components can be ordered for application-specific assembly.

At every connection point of a conductor to the base terminal block or connector there is a testing facility for a 2.3 mm test plug.

Strain relief PZ

Strain reliefs are available for the plugs which, as an option, can be snapped on the SP 4 ... connectors externally.

PZ/PRZ snap-lock fitting

The PR... snap-lock fitting is snapped into the outside of the plug housing as an option and hooks onto the terminal block housing when the plug is snapped on. PRZ can be used when an application requires strain relief and a snap-lock fitting. PRZ is also snapped into the plug housing as an option and offers a combination of functions in a single component.

PC coding option

Specific connector positions can be defined for all the base terminal blocks using the PC coding star. To do this, the individual branches of the coding star are inserted at the coding position in the base terminal block and the coding lug is removed at the corresponding point of the connector.

Shield connection PSH

PSH... provides a solution for the connection of shielded conductors. PSH... is snapped into PZ... or PRZ after the terminal blocks have been wired and is then permanently secured using a cable tie. The PSH connecting cable is connected to a connector conductor and makes contact directly with the terminal block when inserted.



Pluggable Spring-Cage Terminal Blocks ST 4/1P



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] | |
|--------------------------------|----------------------|----------------------|-------|----------|----------|--|
| IEC 61 984 * Derating curve se | 0.08-6 ee page 9. | 0.08-4 | 28-10 | 30* | 800 | |

| Technical data | | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
|--|----------------|--|--------------------------|---------------------------------|--------------------------|---------------------|
| Spring-cage terminal block, for mounting on | J, | terminal width | | ST 4/ 1P | 30 42 71 9 | 50 |
| | blue | terminal width | 6.2 | ST 4/ 1P BU | 30 42 87 4 | 50 |
| Cover | gray | | | D-ST 4 | 30 30 42 0 | 50 |
| Insulating stop sleeve, prevents unintentional clamping of the insulati | | | | | | |
| in the case of smaller cross sections Cross section range: | | 0.25-0.5 mm ² 0.75-1 mm ² | | ISH 4/0,5 ISH 4/1 | 30 02 88 5 30 02 89 8 | 50 50 |
| Plug-in bridge, for | | 2-pos. | | FBS 2-6 I _{max} : 32 A | 30 30 33 6 | 50 |
| cross bridging in the terminal | | 3-pos. | | FBS 3-6 32 A | 30 30 24 2 | 50 |
| center | | 4-pos. | 00 0000 | FBS 4-6 32 A | 30 30 25 5 | 50 |
| | | 5-pos. | 0000 | FBS 5-6 32 A | 30 30 34 9 | 50 10 |
| | | 10-pos. 20-pos. | | FBS 10-6 32 A FBS 20-6 32 A | 30 30 27 1 30 30 36 5 | 10 |
| Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | on | | 1/ | ATP-ST 4 | 30 30 72 1 | 50 |
| Test adapter , for 4 mm Ø PS team d 4 mm Ø safety test plugs, makes contact in the bridge share | | | | PAI 4 | 30 30 92 5 | 10 |
| 2.3 mm Ø test plug 1), consistin | | | | MPS-RD | 02 01 55 3 | 10 |
| metal part and red insulating sle Modular test plug, labeling with | | | | PS-6 | 30 30 99 6 | 10 |
| Coding star, with 4 coding pins, for mounting in all base terminal | blocks | | and Care | PC | 30 40 58 8 | 50 |
| Warning cover, for the actuating ducts of the "mini-sprir ST spring-cage terminal blocks | ng" | 4 4 | | WST 4 | 30 30 95 4 | 50 |
| Screwdriver, for actuating the tension spring | | | | SZF 1 - 0,6 x 3,5 | 12 04 51 7 | 10 |
| Zack strip, flat, for labeling the center and outer marker grooves | white | | | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Zack strip, 10-section, for labeling in the terminal center | white | \$ | | ZB 6:UNBEDRUCKT | 10 51 00 3 | 10 |
| Dimensions Width / length / and sever width | | | [mm] | 60/ | FF 0 / 0 0 | |
| Width / length / end cover width | | | [mm] | | 55.8 / 2.2 | |
| Height (NS 35/7,5 / NS 35/15) | ith IEO/ DIV | VDE | [mm] | 36 | 5.5 / 44 | |
| Technical data in accordance | | VDE | FA1 / F 25 | | 20.70 | |
| Maximum load current / cross se | | | [A] / [mm ²] | | 80 / 6 | |
| Rated surge voltage / contamina | ition class | | [kV] / – | | 6/3 | |
| Surge voltage category / insulati | ng material gr | oup | | | III / I | |
| Connection capacity | | | | | | |
| Stranded with ferrule with plastic | | | [mm ²] | | 25 - 4 | |
| Stranded with ferrule without pla | stic 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) | | | | A4 | |
| Insulating material | | | | | PA | |
| Inflammability class in acc. with | | | | | V0 | |
| Approval data (UL and CSA/CI | | | | | | |
| Nominal voltage / current / conduc | | | / [A] / AWG | App | olied for | |
| | - | CSA/CUL: [V] | / [A] / AWG | App | olied for | |
| | | | | | | |

¹⁾ Further colors on request.

Pluggable Spring-Cage Ground Terminal Blocks ST 4/ 1P-PE

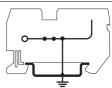
| (IEC) | rigid | flexible | AWG |
|--------------------|--------|----------|-------|
| [mm ²] | solid | stranded | |
| IEC 61 984 | 0.08-6 | 0.08-4 | 28-10 |

Observe the current carrying capacity of the mounting rails.

Technical data



| recillical data | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
|--|------------------|--|--|--|----------------------------|
| Spring-cage terminal block, for mounting on | green- yellow | terminal width 6.2 | ST 4/ 1P-PE | 30 42 72 2 | 50 |
| Cover | gray | | D-ST 4 | 30 30 42 0 | 50 |
| Insulating stop sleeve, prevents unintentional clamping of the insulati in the case of smaller cross sections Cross section range: | on | 0.25-0.5 mm ² | ISH 4/0,5 | 30 02 88 5 | 50 |
| Closs section range. | black | 0.75-1 mm ² | ISH 4/1 | 30 02 89 8 | 50 |
| Plug-in bridge, for cross bridging in the terminal center | | 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. | FBS 2-6 FBS 3-6 FBS 4-6 FBS 5-6 FBS 10-6 FBS 20-6 | 30 30 33 6 30 30 24 2 30 30 25 5 30 30 34 9 30 30 27 1 30 30 36 5 | 50 50 50 50 10 |
| Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | on | | ATP-ST 4 | 30 30 72 1 | 50 |
| Coding star, with 4 coding pins, for mounting in all base terminal | blocks | | PC | 30 40 58 8 | 50 |
| Warning cover, for the actuating ducts of the "mini-sprir ST spring-cage terminal blocks | ng" | Z+ Z+ Z+ Z+ | WST 4 | 30 30 95 4 | 50 |
| Screwdriver, for actuating the tension spring | | | SZF 1 - 0,6 x 3,5 | 12 04 51 7 | 10 |
| Zack strip, flat, for labeling the center and outer marker grooves | white | | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Zack strip, 10-section, for labeling in the terminal center | white | įĮĮĮĮĮĮĮ | ZB 6:UNBEDRUCKT | 10 51 00 3 | 10 |
| Dimensions | | | | , | |
| Width / length / end cover width | | [mm] | | 5.2 / 55.8 / 2.2 | |
| Height (NS 35/7,5 / NS 35/15) Technical data in accordance | : IEO/ DI | [mm] | | 36.5 / 44 | |
| Maximum load current / cross se | | [A] / [mm ²] | · | | |
| Rated surge voltage / contamina | | [A] / [IIIII-] [kV] / - | | 6/3 | |
| Surge voltage category / insulati | | <u> </u> | | III/I | |
| Connection capacity | ng material (| 3.00p — 7 — | · - | 111 / 1 | |
| Stranded with ferrule with plastic | sleeve | [mm ² | - | 0.25 - 4 | |
| Stranded with ferrule without pla | | [mm ² | | 0.25 - 4 | |
| Stranded with TWIN ferrule with | | <u> </u> | | 0.5 - 1 | |
| Stripping length | | [mm] | | 10 | |
| Internal cylindrical gauge (IEC | 60 947-1) | | | A4 | |
| Insulating material | , | | - | PA | |
| Inflammability class in acc. with | UL 94 | | | V0 | |
| Approval data (UL and CSA/C | UL) | | | | |
| Nominal voltage / current / conduc | ctor sizes | UL: [V] / [A] / AWG | | Applied for | |
| | | CSA/CUL: [V] / [A] / AWG | | Applied for | |
| | | CSA/COL. [V] / [A] / AVVC | | Applied for | |



Pluggable Spring-Cage Terminal Blocks ST 4-QUATTRO/2P

| (IEC) | rigid | flexible | | I | U | | | |
|---|--------|----------|-------|--------|-----|--|--|--|
| [mm ²] | solid | stranded | AWG | [A] | [V] | | | |
| IEC 61 984 | 0.08-6 | 0.08-4 | 28-10 | 30 ¹)* | 800 | | | |
| 1) The max. load current must not be exceeded by the total current of all connected | | | | | | | | |

conductors.

* Derating curve see page 9.



| Tachnical data | | | | | | |
|---|-----------------|--|--------------------------|---|--|----------------------------------|
| Technical data | | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
| Spring-cage terminal block, for mounting on | gray | terminal width | | ST 4-QUATTRO/ 2P | 30 42 84 5 | 50 |
| | blue | terminal width | 1 6.2 | ST 4-QUATTRO/ 2P BU | 30 42 86 1 | 50 |
| Cover | gray | | | D-ST 4-QUATTRO/ 2P | 30 43 74 7 | 50 |
| End cover segment, serves for c multi-conductor terminal blocks wl conductor terminal blocks are alig | nen two- | gray | | DS-ST 4/P | 30 43 75 0 | 50 |
| 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 | | ISH 4/0,5 ISH 4/1 | 30 02 88 5 30 02 89 8 | 50 50 |
| Plug-in bridge, for cross bridging in the terminal center | | 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. | | FBS 2-6 I _{max} : 32 A FBS 3-6 32 A FBS 4-6 32 A FBS 5-6 32 A FBS 10-6 32 A FBS 20-6 32 A | 30 30 33 6 30 30 24 2 30 30 25 5 30 30 34 9 30 30 27 1 30 30 36 5 | 50 50 50 50 50 10 |
| Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | | | | ATP-ST QUATTRO | 30 30 81 5 | 50 |
| Test adapter, for 4 mm Ø PS test and 4 mm Ø safety test plugs, makes contact in the bridge shaft | plug | | | PAI 4 | 30 30 92 5 | 10 |
| 2.3 mm Ø test plug 1), consisting | | | | MPS-RD | 02 01 55 3 | 10 |
| metal part and red insulating sleev Modular test plug, labeling with 2 | | | | PS-6 | 30 30 99 6 | 10 |
| Coding star, with 4 coding pins, for mounting in all base terminal b | locks | | 2000 | PC | 30 40 58 8 | 50 |
| Warning cover, for the actuating ducts of the "mini-spring ST spring-cage terminal blocks | , ¹¹ | 4 | * 4 4 | WST 4 | 30 30 95 4 | 50 |
| Screwdriver, for actuating the tension spring | | | | SZF 1 - 0,6 x 3,5 | 12 04 51 7 | 10 |
| Zack strip, flat, for center and ext | ernal labeli | ing | white | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Zack strip, 10-section, for labeling | g in the ter | minal center | white | ZB 6:UNBEDRUCKT | 10 51 00 3 | 10 |
| Dimensions | | | | | | |
| Width / length / end cover width | | | [mm] | | 97.3 / 2.2 | |
| Height (NS 35/7,5 / NS 35/15) | | | [mm] | 36 | .5 / 44 | |
| Technical data in accordance w | | N VDE | | | | |
| Maximum load current / cross sec | | | [A] / [mm ²] | | 0/6 | |
| Rated surge voltage / contaminati | | | [kV] / – | | 6/3 | |
| Surge voltage category / insulating | g material (| group | | | / | |
| Connection capacity | | | r 24 | | 05 4 | |
| Stranded with ferrule with plastic s | | | [mm ²] | | 25 - 4 | |
| Stranded with ferrule without plast | | 10 | [mm ²] | | 25 - 4 | |
| Stranded with TWIN ferrule with p | iastic siee\ | /e | [mm ²] | 0 | .5 - 1 10 | |
| Stripping length | 20 047 11 | | [mm] | | | |
| Internal cylindrical gauge (IEC 6 Insulating material | JU 947-1) | | | | A4 PA | |
| Inflammability class in acc. with U | I 04 | | | | V0 | |
| Approval data (UL and CSA/CUI | | | | | VU | |
| Nominal voltage / current / conductor | • | 111.57 | /[A] / A\A/C | A | liad for | |
| ivorninai voitage / current / conducto | JI SIZES | | /[A] / AWG | | olied for | |
| 1) Further colors on request | | CSA/CUL: [V] | / [A] / AWG | App | olied for | |

¹⁾ Further colors on request.

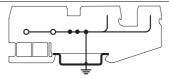
Pluggable Spring-Cage Ground Terminal Blocks ST 4-QUATTRO/ 2P-PE

| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | |
|-----------------------------|----------------|----------------------|-------|--|
| IEC 61 984 | 0.08-6 | 0.08-4 | 28-10 | |

Observe the current carrying capacity of the mounting rails.



| Technical data | | | | | | |
|--|--------------------------|--|--|--|--|----------------------------------|
| Technical data | | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
| Spring-cage terminal block, for mounting on | green- yellow | terminal width | 6.2 | ST 4-QUATTRO/ 2P-PE | 30 42 85 8 | 50 |
| Cover | gray | | | D-ST 4-QUATTRO/ 2P | 30 43 74 7 | 50 |
| End cover segment, serves for multi-conductor terminal blocks conductor terminal blocks are all | when two- | gray | | DS-ST 4/P | 30 43 75 0 | 50 |
| Insulating stop sleeve, prevents unintentional clamping of the insulation the case of smaller cross sections | ion | | | | | |
| Cross section range: | gray black | 0.25-0.5 mm ² 0.75-1 mm ² | | ISH 4/0,5 ISH 4/1 | 30 02 88 5 30 02 89 8 | 50 50 |
| Plug-in bridge, for cross bridging in the terminal center | | 2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos. | | FBS 2-6 FBS 3-6 FBS 4-6 FBS 5-6 FBS 10-6 FBS 20-6 | 30 30 33 6 30 30 24 2 30 30 25 5 30 30 34 9 30 30 27 1 30 30 36 5 | 50 50 50 50 10 10 |
| Partition plate, for visual and electrical separation of terminal groups, 2 mm thick | on | | | ATP-ST QUATTRO | 30 30 81 5 | 50 |
| Coding star, with 4 coding pins, for mounting in all base terminal | l blocks | | - | PC | 30 40 58 8 | 50 |
| Warning cover, for the actuating ducts of the "mini-spring ST spring-cage terminal blocks" | ng" | 4 4 | 4- 4- | WST 4 | 30 30 95 4 | 50 |
| Screwdriver, for actuating the tension spring | | | | SZF 1 - 0,6 x 3,5 | 12 04 51 7 | 10 |
| Zack strip, flat, for labeling the center and outer marker grooves | white | 4 | | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Zack strip, 10-section, for labeling in the terminal center | white | <u> </u> | | ZB 6:UNBEDRUCKT | 10 51 00 3 | 10 |
| Dimensions | | - | | | | |
| Width / length / end cover width | | | [mm] | 6 | .2 / 97.3 / 2.2 | |
| Height (NS 35/7,5 / NS 35/15) | | | [mm] | | 36.5 / 44 | |
| Technical data in accordance | | IN VDE | | | | |
| Maximum load current / cross so | | | [A] / [mm ²] | | | |
| Rated surge voltage / contamina | | | [kV] / – | - | 6/3 | |
| Surge voltage category / insulati | ng material | group | | | III / I | |
| Connection capacity | 2 01001/2 | | [mm ⁹¹ | | 0.05 4 | |
| Stranded with ferrule with plastic Stranded with ferrule without pla | | | [mm ²] [mm ²] | | 0.25 - 4 0.25 - 4 | |
| Stranded with TWIN ferrule with | | WA. | | | 0.25 - 4 | |
| Stripping length | plastic Siee | · V C | [mm ²] [mm] | - | 10 | |
| Internal cylindrical gauge (IEC | : 60 947-1\ | | [11111] | | A4 | |
| Insulating material | , JU J 4 1-1) | | | | PA | |
| Inflammability class in acc. with | III 94 | | | | VO | |
| Approval data (UL and CSA/C | | | | - | *** | |
| Nominal voltage / current / condu | - | [] · [\/] | /[A] / AWG | | Applied for | |
| Tollago / Janoni / Johna | 5. 5.200 | CSA/CUL: [V] | | | Applied for | |
| | | 30. 200E. [V] | | | | |



ST-COMBI Plugs

SP 4



| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] | |
|--------------------------------------|---------------------|----------------------|-------|----------|----------|--|
| Connection data * Derating curve see | 0.08-6 e page 9. | 0.08-4 | 28-10 | 30* | 800 | |

| Technical data | | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
|---|----------------------|--|--------------------------|-------------------------------|--|---------------------|
| ST-COMBI plug, single, not bridgeable, 6.2 mm wide | gray gray gray | 1-pos. 2-pos. 3-pos. | | SP 4/1 SP 4/2 SP 4/3 | 30 42 88 7 30 42 89 0 30 42 90 0 | 50 50 50 |
| | gray gray gray | 4-pos. 5-pos. 6-pos. | | SP 4/4 SP 4/5 SP 4/6 | 30 42 92 6 30 42 93 9 30 42 94 2 | 50 50 25 |
| | gray gray gray | 7-pos. 8-pos. 9-pos. | | SP 4/7 SP 4/8 SP 4/9 | 30 42 95 5 30 42 96 8 30 42 97 1 | 25 25 25 |
| | gray gray gray | 10-pos. 11-pos. 12-pos. | | SP 4/10 SP 4/11 SP 4/12 | 30 42 98 4 30 42 99 7 30 43 00 6 | 25 10 10 |
| | gray gray gray | 13-pos. 14-pos. 15-pos. | | SP 4/13 SP 4/14 SP 4/15 | 30 43 37 8 30 43 72 1 30 43 73 4 | 10 10 10 |
| Insulating stop sleeve, preven unintentional clamping of the insular in the case of smaller cross section | tion | | | - | | |
| Cross section range: | gray black | 0.25-0.5 mm ² 0.75-1 mm ² | | ISH 4/0,5 ISH 4/1 | 30 02 88 5 30 02 89 8 | 50 50 |
| Strain relief, | black | 2-pos. | Booting to the second | PZ/2 | 30 40 62 7 | 50 |
| Snap-lock fitting, for all plugs | orange orange | 1-pos. 2-pos. | | PR PR/2 | 30 40 55 9 30 40 63 0 | 50 50 |
| Snap-lock fitting and strain relief for all plugs | orange | 2-pos. | | PRZ | 30 40 61 4 | 50 |
| Shielding, for mounting on PZ/ and PRZ, for shielded conductors with | | 3-6 mm Ø *** 5-10 mm Ø *** | | PSH 3-6 PSH 5-10 | 30 40 59 1 30 40 60 1 | 50 50 |
| Zack strip, flat, for labeling the outer marker grooves | white | | | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Technical data in accordance | | IN VDE | | | , | |
| Maximum load current / cross s | | | [A] / [mm ²] | | 30 / 6 | |
| Rated surge voltage / contamir | | | [kV] / – | | 8/3 | |
| Surge voltage category / insula | ting material | group | -/- | | III / I | |
| Connection capacity | | | r 21 | | 0.05 4 | |
| Stranded with ferrule with plast | | | [mm ²] | | 0.25 - 4 | |
| Stranded with TWIN formula with | | | [mm ²] | | 0.25 - 4 0.5 - 1 | |
| Stranded with TWIN ferrule wit | n piastic siee | ve | [mm ²] | | 10 | |
| Stripping length Internal cylindrical gauge (IE | C 60 947-1\ | | [mm] | | A4 | |
| Insulating material | O 00 341-1) | | | | PA | |
| Inflammability class in acc. with | III Q/I | | | | V0 | |
| Approval data (UL and CSA/0 | | | | | VO | |
| Nominal voltage / current / condi | | I II · [\/1 | /[A] / AWG | | Applied for | |
| | 20101 01200 | CSA/CUL: [V] | | | Applied for | |
| | | 30, #30L. [V] | | | ppiiou ioi | |

ST-COMBI Plugs for Self-Assembly

With the ST-COMBI plugs for self-assembly, we offer a solution for every task and it can be implemented by the user himself. The plug is assembled directly on site by snapping together one-position plug elements.

For the existing SP 4... plug a one-position base version is available in gray, blue and green-yellow:

Structure of a plug

For each multiple-position plug, a left element (at the beginning of the plug) and a right element (at the end of the plug) is required. How many middle elements need to be inserted depends on the number of positions of the desired plug. The individual elements are connected by pushing them together and are held by the engagement pins.

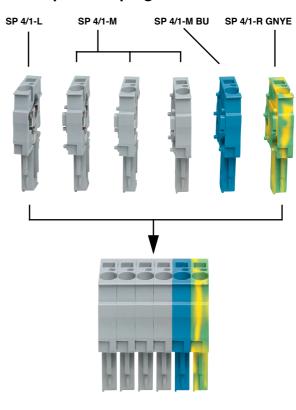
Example for the structure of a 6-position plug:



left element SP...4/1-L left side: smooth right side: open



middle element SP...4/1-M left side: engagement pin right side: open





right element SP...4/1-R left side: engagement pin right side: end cover

In this view, the open side of the plug is on the right. The different color versions can be combined with each other in any order.

Plugs for Self-Assembly

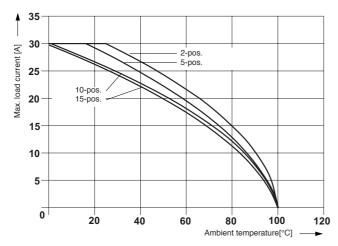
SP 4/1...



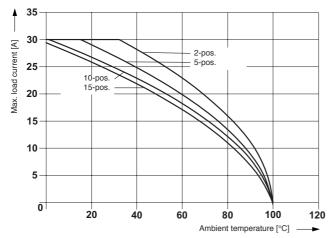
| (IEC) [mm ²] | rigid solid | flexible stranded | AWG | I [A] | U [V] | |
|--------------------------------------|-------------------|----------------------|-------|----------|----------|--|
| Connection data * Derating curve see | 0.08-6 page 9. | 0.08-4 | 28-10 | 30* | 800 | |

| Technical data | | | | Туре | Order No. | <u>Pcs.</u> Pkt. |
|--|--------------------------|----------------------|--------------------------|--|--|---------------------|
| ST-COMBI plug, single, not bridgeable, 6.2 mm wide, left element | gray blue green-ye | llow | | SP 4/1-L SP 4/1-L BU SP 4/1-L GNYE | 30 42 75 1 30 42 76 4 30 42 77 7 | 50 50 50 |
| ST-COMBI plug, single, not bridgeable, 6.2 mm wide, middle element | gray blue green-ye | llow | | SP 4/1-M SP 4/1-M BU SP 4/1-M GNYE | 30 42 78 0 30 42 79 3 30 42 80 3 | 50 50 50 |
| ST-COMBI plug, single, not bridgeable, 6.2 mm wide, right element | gray blue green-ye | llow | | SP 4/1-R SP 4/1-R BU SP 4/1-R GNYE | 30 42 81 6 30 42 82 9 30 42 83 2 | 50 50 50 |
| Strain relief, | black | 2-pos. | beer transcense of | PZ/2 | 30 40 62 7 | 50 |
| Snap-lock fitting, for all plugs | orange orange | 1-pos. 2-pos. | | PR PR/2 | 30 40 55 9 30 40 63 0 | 50 50 |
| Snap-lock fitting and strain relief for all plugs | orange | 2-pos. | 4 Life successor | PRZ | 30 40 61 4 | 50 |
| Shielding, for mounting on PZ/ and PRZ, for shielded conductors with | | 3-6 mm⊘ 5-10 mm ∅ | | PSH 3-6 PSH 5-10 | 30 40 59 1 30 40 60 1 | 50 50 |
| Zack strip, for labeling the outer marker grooves | white | | | ZBF 6:UNBEDRUCKT | 08 08 71 0 | 10 |
| Technical data in accordance v | vith IEC/ D | IN VDE | | | | |
| Maximum load current / cross see | ction | | [A] / [mm ²] | - | 30 / 6 | |
| Rated surge voltage / contaminat | ion class | | [kV] / – | | 8/3 | |
| Surge voltage category / insulatir | ng material | group | -/- | | III / I | |
| Connection capacity | | | | | | |
| Stranded with ferrule with plastic | sleeve | | [mm ²] | | 0.25 - 4 | |
| Stranded with ferrule without plas | stic sleeve | | [mm ²] | | 0.25 - 4 | |
| Stranded with TWIN ferrule with p | olastic slee | ve | [mm ²] | | 0.5 - 1 | |
| Stripping length | | | [mm] | | 10 | · |
| Internal cylindrical gauge (IEC | 60 947-1) | | | | A4 | |
| Insulating material | | | | | PA | |
| Inflammability class in acc. with U | | | | | V0 | |
| Approval data (UL and CSA/CU | , | | | | | |
| Nominal voltage / current / condu | ctor sizes | | [V] / [A] / AWG | | Applied for | |
| | | CSA/CUL: | [V] / [A] / AWG | | Applied for | |

Derating curve for ST-COMBI-Terminal Blocks



Derating curve for ST 4/1P. Is valid for all connector versions SP....



Derating curve for ST 4-QUATTRO/ 2P. Is valid for all connector versions SP....

Immunity to vibration (DIN EN 60 068-2-6:1996-05)

FrequencyAmplitudeAccelerationDuration per axis

Resistance to industrial atmospheres (DIN 50 018:1997-06)

- Level

- No. of cycles

Assessment of fire risk (DIN EN 60 695-2-11/VDE 0471 Part 2-11:2001-11) - Test temperature - Duration

≤ 3.2 mV ≤ 45 K

10-150 Hz

0.35 mm (10-60 Hz) 50 m/s² 2.5 h

KFW 1.0 S

960°C 30 s