

## ST 2,5-QUATTRO-TG

Order No.: 3038451

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3038451>

Component terminal block, Connection type: Spring-cage connection,  
Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Nominal current: 20  
A, Nominal voltage: 400 V, Length: 84 mm, Width: 5.2 mm,  
Color: gray, Assembly: NS 35/7.5, NS 35/15

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4 017918 890599    |
| sales group              | A641               |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Catalog page information | Page 121 (CL-2009) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



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### Technical data

#### General

|                       |      |
|-----------------------|------|
| Number of levels      | 1    |
| Number of connections | 4    |
| Color                 | gray |

|                                    |    |
|------------------------------------|----|
| Insulating material                | PA |
| Inflammability class acc. to UL 94 | V0 |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 5.2 mm  |
| Length           | 84 mm   |
| Height NS 35/7.5 | 36.5 mm |
| Height NS 35/15  | 44 mm   |

#### Technical data

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Maximum load current             | 16 A (with 4 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 6 kV                                                  |
| Pollution degree                 | 3                                                     |
| Surge voltage category           | III                                                   |
| Insulating material group        | I                                                     |
| Connection in acc. with standard | IEC 60947-7-1                                         |
| Nominal current I <sub>N</sub>   | 20 A (current is determined by the connector used)    |
| Nominal voltage U <sub>N</sub>   | 400 V (voltage is determined by the connector used)   |

#### Connection data

|                                                                                         |                        |
|-----------------------------------------------------------------------------------------|------------------------|
| Conductor cross section solid min.                                                      | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>      |
| Conductor cross section stranded min.                                                   | 0.08 mm <sup>2</sup>   |
| Conductor cross section stranded max.                                                   | 2.5 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                  | 28                     |
| Conductor cross section AWG/kcmil max                                                   | 12                     |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup>   |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>    |
| Type of connection                                                                      | Spring-cage connection |
| Stripping length                                                                        | 10 mm                  |
| Internal cylindrical gage                                                               | A3                     |

## Certificates / Approvals



Certification

CSA, CUL, GOST, UL

## Accessories

| Item            | Designation             | Description                                                                                                                                                                         |
|-----------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                         |                                                                                                                                                                                     |
| 3038590         | D-ST 2,5-QUATTRO-MT     | End cover, Length: 84 mm, Width: 2.2 mm, Height: 36.5 mm, Color: gray                                                                                                               |
| <b>Bridges</b>  |                         |                                                                                                                                                                                     |
| 3030161         | FBS 2-5                 | Plug-in bridge, Number of positions: 2, Color: red                                                                                                                                  |
| 3030174         | FBS 3-5                 | Plug-in bridge, Number of positions: 3, Color: red                                                                                                                                  |
| 3030187         | FBS 4-5                 | Plug-in bridge, Number of positions: 4, Color: red                                                                                                                                  |
| 3030190         | FBS 5-5                 | Plug-in bridge, Number of positions: 5, Color: red                                                                                                                                  |
| 3030213         | FBS 10-5                | Plug-in bridge, Number of positions: 10, Color: red                                                                                                                                 |
| 3030226         | FBS 20-5                | Plug-in bridge, Number of positions: 20, Color: red                                                                                                                                 |
| 3038930         | FBS 50-5                | Plug-in bridge, Number of positions: 50, Color: red                                                                                                                                 |
| <b>Marking</b>  |                         |                                                                                                                                                                                     |
| 0800190         | ZB 5 /VT-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: violet                 |
| 1050004         | ZB 5 :UNBEDRUCKT        | Zack strip, unprinted, 10-section, for individual labeling with M-PEN, ZB-T or CMS system, pack is sufficient for 100 terminal blocks, for a terminal width of 5.2 mm, color: White |
| 1050127         | ZB 5,LGS:1-9            | Zack strip, printed horizontally: 9-section, with the numbers 1 - 9, color: white                                                                                                   |
| 1050017         | ZB 5,LGS:FORTL.ZAHLEN   | Zack marker strip, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white                                                       |
| 1050033         | ZB 5,LGS:GLEICHE ZAHLEN | Zack marker strip, printed horizontally: 10-section, with identical numbers 1/1/1, 2/2/2, and so on up to 100, color: white                                                         |
| 1050415         | ZB 5,LGS:L1-N,PE        | Zack strip, printed horizontally, strips with 10 labels, L1, L2, L3, N, PE, L1, L2, L3, N, PE, color: white                                                                         |

|         |                        |                                                                                                                                                                                                      |
|---------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1050020 | ZB 5,QR:FORTL.ZAHLEN   | Zack marker strip, 10-section, printed vertically: with consecutive numbers 1 - 10, 11 - 20, and so on up to 491 - 500, color: white                                                                 |
| 5061536 | ZB 5/BU-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: blue                                    |
| 5061497 | ZB 5/GN-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: green                                   |
| 1050211 | ZB 5/OG,LGS: 10-100    | Zack strip, printed horizontally: 10-section, with the numbers 10/20/30-100, (for decade labeling), color: orange                                                                                    |
| 5061471 | ZB 5/RD-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: red                                     |
| 5060906 | ZB 5/WH-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 5.2 mm, color: White   |
| 5061510 | ZB 5/YE-100:UNBEDRUCKT | Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, color: yellow                                  |
| 1050295 | ZB 5:SO/CMS            | Zack strip, 10-section, divisible, special printing, marking according to customer requirements                                                                                                      |
| 0807180 | ZBFM 5/OG:UNBEDRUCKT   | Zack marker sheet, flat, unprinted: 120-section, 10 strips à 12 markers, sufficient for 120 terminal blocks, for all terminal blocks, pitch 5.2 mm, labeling with M-PEN or CMS system, color: orange |
| 0803595 | ZBFM 5/WH:UNBEDRUCKT   | Zack marker sheet, flat, unprinted: 120-section, 10 strips à 12 markers, sufficient for 120 terminal blocks, for all terminal blocks, pitch 5.2 mm, labeling with M-PEN or CMS system, color: white  |
| 0803647 | ZBFM 5:SO/CMS          | Special printing, Zack marker sheet, flat, 120-section, divisible, marking according to customer requirements                                                                                        |

**Plug/Adapter**

|         |             |                                                                                      |
|---------|-------------|--------------------------------------------------------------------------------------|
| 3002843 | ISH 2,5/0,2 | Insulation stop sleeve, Color: white                                                 |
| 3002856 | ISH 2,5/0,5 | Insulation stop sleeve, Color: gray                                                  |
| 3002869 | ISH 2,5/1,0 | Insulation stop sleeve, Color: black                                                 |
| 3036783 | P-DI        | Isolating connectors, Length: 10.5 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange |
| 3030925 | PAI-4       | Test adapter, Color: gray                                                            |
| 3030983 | PS-5        | Test adapter, Color: red                                                             |

**Tools**

|         |               |                                                                                                                                                       |
|---------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1204517 | SZF 1-0,6X3,5 | Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

Circuit diagram



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