

## ST 6 BU

Order No.: 3031490

The illustration shows version ST 6 in gray



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3031490>

Feed-through modular terminal block, Type of connection: Spring-cage connection, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG 24 - 8, Width: 8.2 mm, Color: blue, Mounting type: NS 35/7.5, NS 35/15



| Commercial data          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | A600                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 75 (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 | 2    |
| Color                 | blue |

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

**Dimensions**

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 69.5 mm |
| Height NS 35/7.5 | 43.5 mm |
| Height NS 35/15  | 51 mm   |

**Technical data**

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Maximum load current             | 52 A (with 10 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 8 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>   | 41 A                                                   |
| Nominal voltage U <sub>N</sub>   | 1000 V                                                 |
| Open side panel                  | ja                                                     |

**Connection data**

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 10 mm <sup>2</sup>   |
| Conductor cross section stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 6 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max                                                   | 8                    |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |

|                           |                        |
|---------------------------|------------------------|
| Type of connection        | Spring-cage connection |
| Stripping length          | 12 mm                  |
| Internal cylindrical gage | A5                     |

#### Certificates / Approvals



Certification

BV, CB, CSA, CUL, DNV, GL, GOST, KR, LR, NK, UL, VDE-PZI

Certification Ex:

IECEX, KEMA-EX

#### Accessories

| Item            | Designation                 | Description                                                                                                                                                                    |
|-----------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                             |                                                                                                                                                                                |
| 3030721         | ATP-ST 4                    | Partition plate, Length: 61 mm, Width: 2 mm, Height: 42 mm, Color: gray                                                                                                        |
| 3024481         | ATP-ST 6                    | Partition plate, Length: 75 mm, Width: 2 mm, Height: 49 mm, Color: gray                                                                                                        |
| 3022218         | CLIPFIX 35                  | Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray |
| 3030433         | D-ST 6                      | End cover, Length: 69.5 mm, Width: 2.2 mm, Height: 43.5 mm, Color: gray                                                                                                        |
| 1201442         | E/UK                        | End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail                                                                                                                         |
| 0801762         | NS 35/ 7,5 CU UNPERF 2000MM | DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                              |
| 0801733         | NS 35/ 7,5 PERF 2000MM      | DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m                                                   |
| 0801681         | NS 35/ 7,5 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m                                                                                               |
| 1201756         | NS 35/15 AL UNPERF 2000MM   | DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m                                                      |
| 1201895         | NS 35/15 CU UNPERF 2000MM   | DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m                                                                                 |
| 1201730         | NS 35/15 PERF 2000MM        | DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m                                                                                                  |

|         |                            |                                                                                               |
|---------|----------------------------|-----------------------------------------------------------------------------------------------|
| 1201714 | NS 35/15 UNPERF 2000MM     | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m               |
| 1201798 | NS 35/15-2,3 UNPERF 2000MM | DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m |

**Bridges**

|         |          |                                                     |
|---------|----------|-----------------------------------------------------|
| 3030284 | FBS 2-8  | Plug-in bridge, Number of positions: 2, Color: red  |
| 3030297 | FBS 3-8  | Plug-in bridge, Number of positions: 3, Color: red  |
| 3030307 | FBS 4-8  | Plug-in bridge, Number of positions: 4, Color: red  |
| 3030310 | FBS 5-8  | Plug-in bridge, Number of positions: 5, Color: red  |
| 3032470 | FBS 6-8  | Plug-in bridge, Number of positions: 6, Color: red  |
| 3030323 | FBS 10-8 | Plug-in bridge, Number of positions: 10, Color: red |

**Marking**

|         |               |                                                                                                              |
|---------|---------------|--------------------------------------------------------------------------------------------------------------|
| 1050512 | ZB 8:SO/CMS   | Zack strip, 10-section, divisible, special printing, marking according to customer requirements              |
| 0804934 | ZBFM 8:SO/CMS | Special printing, Zack marker sheet, flat, 50-section, divisible, marking according to customer requirements |

**Plug/Adapter**

|         |                 |                                                     |
|---------|-----------------|-----------------------------------------------------|
| 3030925 | PAI-4           | Test adapter, Color: gray                           |
| 3031005 | PS-8            | Test adapter, Color: red                            |
| 3030860 | RB ST 6-(2,5/4) | Reducing bridge, Number of positions: 2, Color: red |

**Tools**

|         |               |                                                                                                                                                       |
|---------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1204520 | SZF 2-0,8X4,0 | Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip |
|---------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

**Diagrams/Drawings**

Circuit diagram



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