

## UK 5 N BU

Order No.: 3004388



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3004388>

Feed-through modular terminal block, Type of connection: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG 24 - 10, Width: 6.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15, NS 32



| Commercial data          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918090777      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.009243 KG        |
| Catalog page information | Page 343 (CL-2009) |

#### Product notes

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



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

#### 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            | 6.2 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

**Technical data**

|                                  |   |
|----------------------------------|---|
| Maximum load current             | 41 A (with 6 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>   | 32 A  |
| Nominal voltage U <sub>N</sub>   | 800 V   |
| Open side panel                  | ja  |

**Connection data**

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 6 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 10                   |
| 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. | 4 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.    | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                           | 1.5 mm <sup>2</sup>  |

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 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. | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |
| Cross-section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross-section with insertion bridge, stranded max.                                      | 4 mm <sup>2</sup>    |
| Type of connection  | Screw connection     |
| Stripping length  | 8 mm                 |
| Internal cylindrical gage   | A4                   |
| Screw thread  | M3                   |
| Tightening torque, min  | 0.6 Nm               |
| Tightening torque max   | 0.8 Nm               |

### Certificates / Approvals



Certification CB, CCA, CSA, CUL, DNV, GL, GOST, KEMA, UL

Certification Ex: FM, GL-EX, IECEx, KEMA-EX, UL-EX

#### CSA

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 40 A  |
| AWG/kcmil             | 28-10 |

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 30 A  |
| AWG/kcmil             | 30-10 |

**UL**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 30 A  |
| AWG/kcmil             | 30-10 |

**Accessories**

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

**Assembly**

|         |                               |  |
|---------|-------------------------------|--|
| 3003224 | ATP-UK                        | Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 59 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 |
| 3003020 | D-UK 4/10                     | End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 35.9 mm, Color: gray  |
| 3003101 | D-UK 4/10 BU                  | End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 47 mm, Color: blue  |
| 1201442 | E/UK                          | End clamp, for assembly on NS 32 or NS 35/7,5 DIN rail   |
| 1024014 | EA 5                          | Single covers, color: transparent  |
| 1024085 | EA 5-WS                       | Single covers, for covering one terminal block, with black symbol (lightning flash) snap fit, color: transparent/yellow  |
| 0201595 | FB-150 METER                  | Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long   |
| 1201028 | NS 32 AL UNPERF 2000MM        | G rail 32 mm (NS 32)   |
| 1201280 | NS 32 CU/120QMM UNPERF 2000MM | G-profile DIN rail, deep-drawn, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m  |
| 1201358 | NS 32 CU/35QMM UNPERF 2000MM  | G-profile DIN rail, material: Copper, unperforated, height 15 mm, width 32 mm, length 2 m  |
| 1201002 | NS 32 PERF 2000MM             | G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m   |
| 1201015 | NS 32 UNPERF 2000MM           | G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m   |
| 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  |
| 0204110 | STL 10N/5N                 | Cross connector/bridge, Color: aluminum  |
| 0204107 | STL 35/ 5                  | Cross connector/bridge, Color: white aluminum  |
| 1302215 | TS-K                       | Separating plate, Length: 22.7 mm, Height: 30.5 mm, Color: gray                                |
| 2303608 | ZSR                        | Distance piece, metal, for branches of FB-150, with screw and thrust washer                    |
| 0200017 | ZSR-EX                     | Distance piece, metal, for branches of FB-150, with screw and thrust washer                    |

**Bridges**

|         |             |   |
|---------|-------------|---|
| 0201155 | EB 2- 6     | Cross connector/bridge, Number of positions: 2, Color: gray       |
| 0201142 | EB 3- 6     | Cross connector/bridge, Number of positions: 3, Color: gray       |
| 0201139 | EB 10- 6    | Cross connector/bridge, Number of positions: 10, Color: gray      |
| 0201456 | FB 2- 6-EX  | Cross connector/bridge, Number of positions: 2, Color: aluminum   |
| 0201469 | FB 3- 6-EX  | Cross connector/bridge, Number of positions: 3, Color: aluminum   |
| 0201029 | FB 5- 6     | Cross connector/bridge, Number of positions: 5, Color: aluminum   |
| 0201184 | FB 10- 6    | Cross connector/bridge, Number of positions: 10, Color: aluminum  |
| 0201281 | FB 10- 6-EX | Cross connector/bridge, Number of positions: 10, Color: aluminum  |
| 0201524 | FB 100- 6   | Cross connector/bridge, Number of positions: 100, Color: aluminum |
| 0203438 | FBI 2- 6    | Cross connector/bridge, Number of positions: 2, Color: aluminum   |
| 0203250 | FBI 10- 6   | Cross connector/bridge, Number of positions: 10, Color: silver    |
| 0201650 | FBI 100- 6  | Cross connector/bridge, Number of positions: 100, Color: aluminum |
| 0201867 | FBI 20- 6   | Cross connector/bridge, Number of positions: 20, Color: aluminum  |
| 1302338 | IS-K 4      | Bridge bar isolator, Color: gray                                  |
| 0301505 | ISSBI 10- 6 | Switching jumper, Number of positions: 10, Color: silver          |
| 0201485 | KB- 6-EX    | Cross connector/bridge, Number of positions: 1, Color: silver     |
| 0202280 | LB 10-6 BU  | Cross connector/bridge, Number of positions: 10, Color: blue      |
| 0202358 | LB 10-6 GY  | Cross connector/bridge, Number of positions: 10, Color: gray      |
| 0202293 | LB 10-6 RD  | Cross connector/bridge, Number of positions: 10, Color: red       |
| 0202303 | LB 100-6 BU | Cross connector/bridge, Number of positions: 100, Color: blue     |

|         |             |   |
|---------|-------------|---|
| 0202345 | LB 100-6 GY | Cross connector/bridge, Number of positions: 100, Color: gray |
| 0202316 | LB 100-6 RD | Cross connector/bridge, Number of positions: 100, Color: red  |
| 2303239 | USBR 2-7    | Cross connector/bridge, Color: silver                         |
| 2305538 | USBRJ 2-7   | Cross connector/bridge, Number of positions: 2, Color: silver |

**Marking**

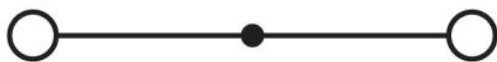
|         |             |   |
|---------|-------------|---|
| 1004115 | WS 3- 6     | Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 6 mm                      |
| 1004209 | WS 4- 6     | Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 6 mm                      |
| 1004403 | WS 5- 6     | Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 6 mm                      |
| 1050499 | ZB 6:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

**Plug/Adapter**

|         |                 |   |
|---------|-----------------|---|
| 0309523 | KSS 3- 6        | Short circuit connector, Number of positions: 3, Color: black |
| 0301547 | KSS 6           | Short circuit connector, Number of positions: 2, Color: black |
| 0201744 | MPS-MT          | Metal part  |
| 3001132 | PS-UK 2,5 B/E   | Test plugs, Color: red  |
| 3001239 | PS-UK 2,5 B/Z-6 | Test plugs, Color: red  |
| 3001462 | PS-UK 3-5/Z-6   | Test plug   |
| 0601292 | PSB 3/10/4      | Female test connector, Color: silver                          |
| 0201304 | PSBJ 3/13/4     | Female test connector, Color: silver                          |
| 0201647 | RPS             | Reducing plug, Color: gray                                    |

**Diagrams/Drawings**

Circuit diagram



Approbationslogos (EX-Bereich)

---







**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2010 Phoenix Contact  
Technical modifications reserved;