

**UK 5 N BU**

Order No.: 3004388

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

Feed-through modular terminal block, Connection method: 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**

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 090777 |
| sales group              | A000                                                                                                   |
| Pack                     | 50 pcs.                                                                                                |
| Customs tariff           | 85369010                                                                                               |
| Catalog page information | Page 407 (CL1-2011)                                                                                    |

**Product notes**

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



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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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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            | 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>    |
| Connection method                                                                       | 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

#### Accessories

| Item            | Designation | Description                                                                                                                                                                    |
|-----------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |             |                                                                                                                                                                                |
| 3003224         | ATP-UK      | Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 45.7 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                    | Step bracket, Color: aluminum                                                                                                |
| 0204107 | STL 35/ 5                     | Step bracket, Color: white aluminum                                                                                          |
| 1302215 | TS-K                          | Separating plate, Length: 22 mm, Height: 22 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     | Insertion bridge, Number of positions: 2, Color: gray       |
| 0201142 | EB 3- 6     | Insertion bridge, Number of positions: 3, Color: gray       |
| 0201139 | EB 10- 6    | Insertion bridge, Number of positions: 10, Color: gray      |
| 0201456 | FB 2- 6-EX  | Fixed bridge, Number of positions: 2, Color: silver         |
| 0201469 | FB 3- 6-EX  | Fixed bridge, Number of positions: 3, Color: silver         |
| 0201029 | FB 5- 6     | Fixed bridge, Number of positions: 5, Color: silver         |
| 0201184 | FB 10- 6    | Fixed bridge, Number of positions: 10, Color: silver        |
| 0201281 | FB 10- 6-EX | Fixed bridge, Number of positions: 10, Color: silver        |
| 0201524 | FB 100- 6   | Fixed bridge, Number of positions: 100, Color: silver       |
| 0203438 | FBI 2- 6    | Fixed bridge, Number of positions: 2, Color: silver         |
| 0203250 | FBI 10- 6   | Fixed bridge, Number of positions: 10, Color: silver        |
| 0201650 | FBI 100- 6  | Fixed bridge, Number of positions: 100, Color: silver       |
| 0201867 | FBI 20- 6   | Fixed bridge, Number of positions: 20, Color: silver        |
| 1302338 | IS-K 4      | Bridge bar isolator, Color: gray                            |
| 0301505 | ISSBI 10- 6 | Bridge bar isolator, Number of positions: 10, Color: silver |
| 0201485 | KB- 6-EX    | Chain bridge, Color: silver                                 |
| 0202280 | LB 10-6 BU  | Jumper, Number of positions: 10, Color: blue                |
| 0202358 | LB 10-6 GY  | Jumper, Number of positions: 10, Color: gray                |
| 0202293 | LB 10-6 RD  | Jumper, Number of positions: 10, Color: red                 |
| 0202303 | LB 100-6 BU | Jumper, Number of positions: 100, Color: blue               |
| 0202345 | LB 100-6 GY | Jumper, Number of positions: 100, Color: gray               |
| 0202316 | LB 100-6 RD | Jumper, Number of positions: 100, Color: red                |
| 2303239 | USBR 2-7    | Switching jumper, Color: silver                             |
| 2305538 | USBRJ 2-7   | Switching jumper, 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          | Test plugs                                                    |
| 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



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