


**UK 6 N BK**

Order No.: 0719236

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=0719236>

Feed-through terminal block, Connection method: Screw connection,  
Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>,  
AWG: 24 - 8, Width: 8.2 mm, Color: black, Mounting type: NS  
35/7,5, NS 35/15

**Commercial data**

|                        |  |
|------------------------|--|
| EAN                    | <br>4 017918 955045 |
| sales group            | A000   |
| Pack                   | 50 Pcs.  |
| Customs tariff         | 85369010   |
| Gross weight in pieces | 0.0139 KG  |
| Net weight per piece   | 0.013074 KG  |

**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                 | black |

|   |    |
|---|----|
| Insulating material                     | PA |
| Inflammability class according to UL 94 | V0 |

**General**

|  |  |
|--|--|
| Maximum load current                         | 57 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  |
| Maximum load current (lower level)           | 57 A   |
| Additional text                              | with 10 mm <sup>2</sup> conductor cross section        |
| Nominal current I <sub>N</sub> (lower level) | 41 A   |
| Nominal voltage U <sub>N</sub>               | 800 V  |
| Open side panel                              | ja   |
| Number of positions                          | 1  |

**Dimensions**

|                  |         |
|------------------|---------|
| Width            | 8.2 mm  |
| Length           | 42.5 mm |
| Height NS 35/7,5 | 47 mm   |
| Height NS 35/15  | 54.5 mm |
| Height NS 32     | 52 mm   |

**Connection data**

|  |                      |
|--|----------------------|
| Connection in acc. with standard   | IEC 60947-7-1        |
| Connection method  | Screw connection     |
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 10 mm <sup>2</sup>   |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 8                    |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 6 mm <sup>2</sup>    |
| Min. AWG conductor cross section, stranded                                 | 24                   |
| Max. AWG conductor cross section, stranded                                 | 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.              | 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>    |
| Cross section with insertion bridge, solid max.   | 4 mm <sup>2</sup>    |
| Cross section with insertion bridge, stranded max.                                      | 4 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.  | 2.5 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.                                     | 2.5 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. | 4 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>    |
| Stripping length  | 10 mm                |
| Internal cylindrical gage   | A5                   |
| Screw thread  | M4                   |
| Tightening torque, min  | 1.5 Nm               |
| Tightening torque max   | 1.8 Nm               |

#### Certificates / Approvals



Certification

CSA, cULus Recognized, GOST, KEMA-KEUR, ABS, DNV, GL, LR, NK, PRS, RS, CCA

Certification Ex:

ATEX, cULus Recognized, IECEx, GL

Certifications applied for:

| 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                  | Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray  |
| 3022276         | CLIPFIX 35-5                | Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray |
| 0800886         | E/NS 35 N                   | End clamp, width: 9.5 mm, color: gray  |
| 1201442         | E/UK                        | End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail   |
| 1201413         | E/UK 1                      | End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray   |
| 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  |
| 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   |
| 0801704         | NS 35/ 7,5 AL UNPERF 2000MM | DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver   |
| 1206560         | NS 35/ 7,5 CAP              | DIN rail end piece, for DIN rail NS 35/7.5   |
| 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: 2000 mm  |
| 0801681         | NS 35/ 7,5 UNPERF 2000MM    | DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m   |
| 1204119         | NS 35/ 7,5 WH PERF 2000MM   | DIN rail 35 mm (NS 35)   |
| 1204122         | NS 35/ 7,5 WH UNPERF 2000MM | DIN rail 35 mm (NS 35)   |
| 1206421         | NS 35/ 7,5 ZN PERF 2000MM   | DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m  |
| 1206434         | NS 35/ 7,5 ZN UNPERF 2000MM | DIN rail, material: Galvanized, 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 2000 mm  |

|         |                            |  |
|---------|----------------------------|--|
| 1206573 | NS 35/15 CAP               | DIN rail end piece, for DIN rail NS 35/15  |
| 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 galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm |
| 1201714 | NS 35/15 UNPERF 2000MM     | DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m  |
| 0806602 | NS 35/15 WH PERF 2000MM    | DIN rail 35 mm (NS 35)   |
| 1204135 | NS 35/15 WH UNPERF 2000MM  | DIN rail 35 mm (NS 35)   |
| 1206599 | NS 35/15 ZN PERF 2000MM    | DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m   |
| 1206586 | NS 35/15 ZN UNPERF 2000MM  | DIN rail, material: Galvanized, 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                                  |
| 1302215 | TS-K                       | Separating plate, Length: 22 mm, Height: 22 mm, Color: gray  |

**Bridges**

|         |              |  |
|---------|--------------|--|
| 0202154 | EB 2- 8      | Insertion bridge, Number of positions: 2, Color: gray  |
| 0202141 | EB 3- 8      | Insertion bridge, Number of positions: 3, Color: gray  |
| 0202142 | EB 4- 8      | Insertion bridge, Number of positions: 4, Color: gray  |
| 0202138 | EB 10- 8     | Insertion bridge, Number of positions: 10, Color: gray |
| 0202196 | FB 2- 8      | Fixed bridge, Number of positions: 2, Color: silver    |
| 3029224 | FB 2- 8-EX   | Fixed bridge, Number of positions: 2, Color: silver    |
| 0202167 | FB 3- 8      | Fixed bridge, Number of positions: 3, Color: silver    |
| 0202183 | FB 4- 8      | Fixed bridge, Number of positions: 4, Color: silver    |
| 0202170 | FB 10- 8     | Fixed bridge, Number of positions: 10, Color: silver   |
| 3003185 | FB 10- 8-EX  | Fixed bridge, Number of positions: 10, Color: silver   |
| 0200020 | FBI 2- 8     | Fixed bridge, Number of positions: 2, Color: silver    |
| 0200059 | FBI 3- 8     | Fixed bridge, Number of positions: 3, Color: silver    |
| 0200046 | FBI 4- 8     | Fixed bridge, Number of positions: 4, Color: silver    |
| 0203263 | FBI 10- 8    | Fixed bridge, Number of positions: 10, Color: silver   |
| 1303337 | IS-K 10      | Bridge bar isolator, Color: gray                       |
| 0301534 | ISSBI 10- 8  | Jumper, Number of positions: 10, Color: silver         |
| 0200062 | SB 2- 8/13 N | Switching jumper, Color: silver                        |

**Connector/Adapter**

|         |          |   |
|---------|----------|---|
| 0311540 | KSS 8    | Short-circuit connector, Number of positions: 2, Color: black |
| 0311634 | PS-IH BK | Insulating sleeve, Color: black                               |

|         |                     |   |
|---------|---------------------|---|
| 0311582 | PS-IH BU            | Insulating sleeve, Color: blue            |
| 0311605 | PS-IH GN            | Insulating sleeve, Color: green           |
| 0311621 | PS-IH GY            | Insulating sleeve, Color: gray            |
| 0311579 | PS-IH RD            | Insulating sleeve, Color: red             |
| 0311618 | PS-IH VT            | Insulating sleeve, Color: violet          |
| 0311566 | PS-IH WH            | Insulating sleeve, Color: white           |
| 0311595 | PS-IH YE            | Insulating sleeve, Color: yellow          |
| 0311647 | PS-MT               | Test plugs                                |
| 0303299 | PSB 4/7/6           | Female test connector, Color: silver      |
| 0303406 | PSBJ 4/15/6 BK      | Female test connector, Color: black       |
| 0303354 | PSBJ 4/15/6 BU      | Female test connector, Color: blue        |
| 0303419 | PSBJ 4/15/6 FARBLOS | Female test connector, Color: transparent |
| 0303370 | PSBJ 4/15/6 GN      | Female test connector, Color: green       |
| 0303396 | PSBJ 4/15/6 GY      | Female test connector, Color: gray        |
| 0303325 | PSBJ 4/15/6 RD      | Female test connector, Color: red         |
| 0303383 | PSBJ 4/15/6 VT      | Female test connector, Color: violet      |
| 0303312 | PSBJ 4/15/6 WH      | Female test connector, Color: white       |
| 0303367 | PSBJ 4/15/6 YE      | Female test connector, Color: yellow      |

**Covers**

|         |           |   |
|---------|-----------|---|
| 3003020 | D-UK 4/10 | End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 35.9 mm, Color: gray |
|---------|-----------|---|

**General**

|         |              |                                       |
|---------|--------------|---------------------------------------|
| 0711700 | FBI 10- 8-EX | Fixed bridge, Number of positions: 10 |
|---------|--------------|---------------------------------------|

**Marking**

|         |                  |   |
|---------|------------------|---|
| 1007235 | SBS 8:UNBEDRUCKT | Marker cards, Card, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 6 x 8.1 mm                  |
| 0818072 | UC-TM 8          | Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm |
| 0824597 | UC-TM 8 CUS      | Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm      |

|         |                       |   |
|---------|-----------------------|---|
| 0828740 | UCT-TM 8              | Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm                                   |
| 0829616 | UCT-TM 8 CUS          | Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm  |
| 1004128 | WS 3- 8               | Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 8 mm  |
| 1004212 | WS 4- 8               | Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 8 mm  |
| 1004416 | WS 5- 8               | Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 8 mm  |
| 0825011 | ZB 8 CUS              | Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm   |
| 1052015 | ZB 8,LGS:FORTL.ZAHLEN | Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm |
| 1052413 | ZB 8,LGS:L1-N,PE      | Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm                       |
| 1052028 | ZB 8,QR:FORTL.ZAHLEN  | Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm    |
| 1052002 | ZB 8:UNBEDRUCKT       | Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm  |

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