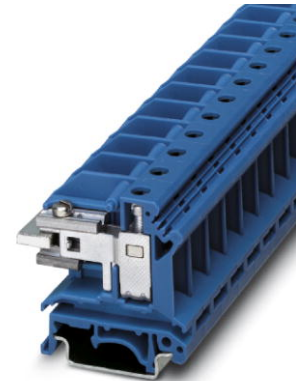


UIKN 16 BU


Order No.: 3006166



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3006166>

Neutral conductor disconnect modular terminal block, Special and hybrid connection, Cross section: 2.5 mm² - 25 mm², AWG: 12 - 4, Width: 12 mm, Color: blue, Mounting type: NS 35/7.5, NS 35/15, NS 32

Commercial data

| | |
|--------------------------|--|
| GTIN (EAN) |  |
| sales group | A010 |
| Pack | 50 pcs. |
| Customs tariff | 85369010 |
| Catalog page information | Page 491 (CL1-2011) |

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 | V2 |

Dimensions

| | |
|------------------|---------|
| Width | 12 mm |
| Length | 43.5 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 | 90 A (with 16 mm ² conductor cross section) |
| Current carrying capacity of the neutral busbar | 140 A |
| 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 _N | 76 A |
| Nominal voltage U _N | 400 V |

Connection data

| | |
|--|---------------------|
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section stranded min. | 4 mm ² |
| Conductor cross section stranded max. | 16 mm ² |
| Conductor cross section AWG/kcmil min. | 12 |
| Conductor cross section AWG/kcmil max | 4 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 16 mm ² |
| 2 conductors with same cross section, solid min. | 1.5 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |

| | |
|---|-------------------------------|
| 2 conductors with same cross section, stranded min. | 1.5 mm ² |
| 2 conductors with same cross section, stranded max. | 4 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm ² |
| Connection method | Special and hybrid connection |
| Stripping length | 11 mm |
| Screw thread | M4 |
| Tightening torque, min | 1.5 Nm |
| Tightening torque max | 1.8 Nm |

Certificates / Approvals



Certification

GOST

Accessories

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

Assembly

| | | |
|---------|--------------|--|
| 1201141 | AB/NS | Support, for insulated mounting of DIN rails in insulated systems, plastic, 21 mm high |
| 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 |
| 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 |
| 0401010 | EK 116 | Power terminal block, Load current : 76 A, Cross section: 0.5 mm ² - 16 mm ² , Width: 8 mm, Color: aluminum |

| | | |
|---------|-------------------------------|--|
| 0401023 | EK 135 | Power terminal block, Load current : 125 A, Cross section: 0.75 mm ² - 35 mm ² , Width: 12 mm, Color: aluminum |
| 0402174 | NLS-CU 3/10 SN 1000MM | PEN conductor busbar, 3mm x 10 mm, length: 1000 mm |
| 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 |
| 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 |
| 3032428 | UAB | Support, Width: 2 mm, Color: blue |

Marking

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|---------|------------------|---|
| 1007248 | SBS10:UNBEDRUCKT | Marker cards, unprinted, for individual labeling with the M-PEN, 250-section, perforated, white plastic |
| 1050525 | ZB10:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

Tools

| | | |
|---------|-----------------|--|
| 1205066 | SZS 1,0X4,0 VDE | Screwdriver, bladed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip |
|---------|-----------------|--|

Additional products

| Item | Designation | Description |
|---------------------|-------------|---|
| Plug/Adapter | | |
| 0423014 | AKG 16 BU | Power terminal block, Load current : 76 A, Cross section: 1.5 mm ² - 16 mm ² , Width: 9.8 mm, Color: blue |

| | | |
|---------|-----------|---|
| 0424013 | AKG 35 BU | Power terminal block, Load current : 125 A, Cross section: 2.5 mm ² - 35 mm ² , Width: 14.3 mm, Color: blue |
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Replacement clamping part

| | | |
|---------|--------|---|
| 2715982 | IAK 16 | Connection terminal block, Width: 8 mm, Color: gray |
|---------|--------|---|

Diagrams/Drawings

Circuit diagram



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