

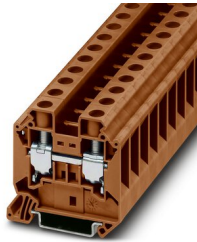
UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/il/products/1143432>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, connection method: Screw connection, Rated cross section: 16 mm², cross section: 1.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: brown

Your advantages

- The reducing bridges can be used to connect terminal blocks with different connection technologies, e.g., UT 35 screw terminal block with Push-in technology 2,5 Push-in terminal blocks, to form power blocks
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"
- Easy and time-saving potential supply and distribution of large currents and cross sections up to 35 mm² with reducing bridges
- Tested for railway applications

Commercial Data

| | |
|--------------------------------------|---------------|
| Item number | 1143432 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Product Key | BE1111 |
| GTIN | 4063151130336 |
| Weight per Piece (including packing) | 30.39 g |
| Weight per Piece (excluding packing) | 30.39 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

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Technical Data

Product properties

| | |
|-----------------------|-----------------------------|
| Product type | Feed-through terminal block |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| | Process industry |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 2.43 W |

Connection data

| | |
|---------------------------------|--------------------|
| Number of connections per level | 2 |
| Nominal cross section | 16 mm ² |

Level 1 above 1 below 1

| | |
|---|---|
| Screw thread | M5 |
| Tightening torque | 2.5 ... 3 Nm |
| Stripping length | 14 mm |
| Internal cylindrical gage | A7 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section rigid | 1.5 mm ² ... 25 mm ² |
| Cross section AWG | 16 ... 4 (converted acc. to IEC) |
| Conductor cross section flexible | 1.5 mm ² ... 25 mm ² |
| Conductor cross section, flexible [AWG] | 16 ... 4 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1 mm ² ... 16 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 1 mm ² ... 16 mm ² |
| 2 conductors with same cross section, solid | 1 mm ² ... 6 mm ² |
| 2 conductors with same cross section, flexible | 1 mm ² ... 6 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 1 mm ² ... 6 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.75 mm ² ... 10 mm ² |
| Nominal current | 76 A |
| Maximum load current | 101 A (with 25 mm ² conductor cross section) |
| Nominal voltage | 1000 V |

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| | |
|-----------------------|--|
| Note | Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. |
| Nominal cross section | 16 mm ² |

Dimensions

| | |
|------------------|---------|
| Width | 12.2 mm |
| End cover width | 2.2 mm |
| Height | 54.4 mm |
| Height NS 35/15 | 62.5 mm |
| Height NS 35/7,5 | 55 mm |
| Length | 55.5 mm |

Material specifications

| | |
|--|-------|
| Color | brown |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

Mechanical data

| | |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

Mounting

| | |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
| | NS 35/15 |

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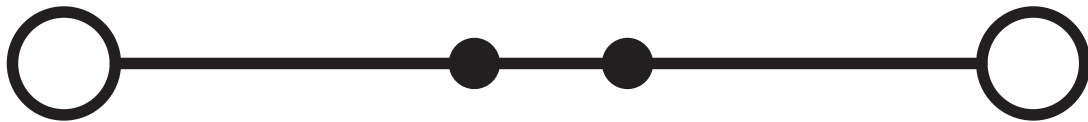
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Drawings

Circuit diagram




UT 16 BN - Feed-through terminal block





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Approvals


|  CSA Approval ID: 13631 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Use group B | 600 V | 85 A | 16 - 4 | - |
| Use group C | 600 V | 85 A | 16 - 4 | - |

|  IECEE CB Scheme Approval ID: DE1-65779 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 1000 V | 76 A | - | - 16 |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| Use group B | 600 V | 85 A | 16 - 4 | - |
| Multi-conductor connection | 600 V | 85 A | - 14 | - |
| Use group C | 600 V | 85 A | 16 - 4 | - |
| Multi-conductor connection | 600 V | 85 A | - 14 | - |

|  VDE Zeichengenehmigung Approval ID: 40020166 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 1000 V | 76 A | - | 1.5 - 16 |

|  ATEX Approval ID: KEMA04ATEX2048U | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  cUL Recognized Approval ID: E192998 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
| | 600 V | 85 A | 16 - 4 | - |

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EAC Ex

Approval ID: RU C-DE.HA91.B.00066



IEC Ex

Approval ID: IECEx KEM 06.0027U



UL Recognized

Approval ID: E192998

| Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
|-----------------------|-----------------------|-------------------|-----------------------------|
| 600 V | 85 A | 16 - 4 | - |



CCC

Approval ID: 2020322313000622



NEPSI

Approval ID: GYJ20.1194U



UKCA-EX

Approval ID: DEKRA 21UKEX0304U

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Classifications

ECLASS

ECLASS-11.0

27141120

ETIM

ETIM 8.0

EC000897

UNSPSC

UNSPSC 21.0

39121400

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Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Accessories

 Note: Applying some accessories below might limit this product.

FBS 2-12 - Plug-in bridge

3005950

<https://www.phoenixcontact.com/il/products/3005950>



Plug-in bridge, pitch: 12 mm, number of positions: 2, color: red

 Max. current carrying capacity: 76 A

RB 35-16 - Reducing bridge

3032169

<https://www.phoenixcontact.com/il/products/3032169>



Reducing bridge, pitch: 14 mm, number of positions: 2, color: red

 Max. current carrying capacity: 90 A

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RB 16-6 - Reducing bridge

3047072

<https://www.phoenixcontact.com/il/products/3047072>



Reducing bridge, pitch: 12.2 mm, number of positions: 2, color: red

 Max. current carrying capacity: 37 A


RB UT 16-(2,5/4) - Reducing bridge

3047073

<https://www.phoenixcontact.com/il/products/3047073>



Reducing bridge, pitch: 11 mm, number of positions: 2, length: 31 mm, color: red

 Max. current carrying capacity: 40 A

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RB UT 16-ST(2,5/4) - Reducing bridge

3047099

<https://www.phoenixcontact.com/il/products/3047099>



Reducing bridge, pitch: 11 mm, number of positions: 2, length: 41 mm, color: red

 Max. current carrying capacity: 40 A

AGK 4-UT 16 - Pick-off terminal block

3047125

<https://www.phoenixcontact.com/il/products/3047125>



Pick-off terminal block, nom. voltage: 1000 V, nominal current: 32 A, connection method: Screw connection, cross section: $0.14 \text{ mm}^2 - 6 \text{ mm}^2$, mounting type: on base element, color: gray

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<https://www.phoenixcontact.com/il/products/1143432>

D-UT 16 - End cover

3047206

<https://www.phoenixcontact.com/il/products/3047206>

End cover, length: 52.8 mm, width: 2.2 mm, height: 47.3 mm, color: gray



TPNS-UK - Partition plate

0706647

<https://www.phoenixcontact.com/il/products/0706647>

Partition plate, length: 80 mm, width: 2 mm, height: 70 mm, color: gray



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X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/il/products/0811228>



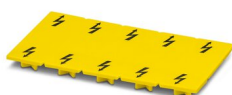
Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

WS UT 16 - Warning label

3047374

<https://www.phoenixcontact.com/il/products/3047374>

Warning sign for UT terminal blocks



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<https://www.phoenixcontact.com/il/products/1143432>



SZS 1,0X6,5 VDE - Screwdriver

1205079

<https://www.phoenixcontact.com/il/products/1205079>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

<https://www.phoenixcontact.com/il/products/0801733>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

<https://www.phoenixcontact.com/il/products/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

<https://www.phoenixcontact.com/il/products/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

UT 16 BN - Feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

<https://www.phoenixcontact.com/il/products/1204122>



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

<https://www.phoenixcontact.com/il/products/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

UT 16 BN - Feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

<https://www.phoenixcontact.com/il/products/1206421>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

<https://www.phoenixcontact.com/il/products/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

UT 16 BN - Feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

<https://www.phoenixcontact.com/il/products/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/il/products/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



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NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/il/products/1201730>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

<https://www.phoenixcontact.com/il/products/1201714>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

UT 16 BN - Feed-through terminal block

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NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

<https://www.phoenixcontact.com/il/products/0806602>



DIN rail perforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white, Pack of 25 (50 m)

NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/il/products/1204135>



DIN rail, unperforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

UT 16 BN - Feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

<https://www.phoenixcontact.com/il/products/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

<https://www.phoenixcontact.com/il/products/1206599>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

UT 16 BN - Feed-through terminal block

1143432

<https://www.phoenixcontact.com/il/products/1143432>



NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

<https://www.phoenixcontact.com/il/products/1206586>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/il/products/1201895>



DIN rail, unperforated, similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

UT 16 BN - Feed-through terminal block

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<https://www.phoenixcontact.com/il/products/1143432>



NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/il/products/1206573>

DIN rail end piece, for DIN rail NS 35/15



NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

<https://www.phoenixcontact.com/il/products/1201798>

DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver, Pack of 10 (20 m)



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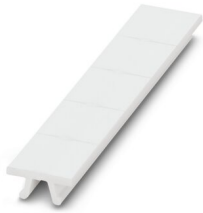
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ZB 12:UNPRINTED - Zack marker strip

0812120

<https://www.phoenixcontact.com/il/products/0812120>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 12.2 mm, lettering field size: 12 x 10.5 mm, Number of individual labels: 5

ZB 12 CUS - Zack marker strip

0824942

<https://www.phoenixcontact.com/il/products/0824942>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 12.2 mm, lettering field size: 10.5 x 12.15 mm, Number of individual labels: 5

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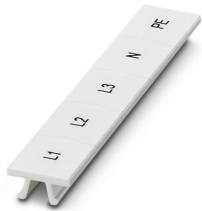
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<https://www.phoenixcontact.com/il/products/1143432>

ZB 12,LGS:L1-N,PE - Zack marker strip

0812146

<https://www.phoenixcontact.com/il/products/0812146>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 12.2 mm, lettering field size: 10.5 x 12.15 mm, Number of individual labels: 5

UC-TM 12 - Marker for terminal blocks

0819194

<https://www.phoenixcontact.com/il/products/0819194>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 12 mm, lettering field size: 11.45 x 10.5 mm, Number of individual labels: 40

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UC-TM 12 CUS - Marker for terminal blocks

0824613

<https://www.phoenixcontact.com/il/products/0824613>



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: 12 mm, lettering field size: 11.45 x 10.5 mm, Number of individual labels: 40

UCT-TM 12 - Marker for terminal blocks

0829144

<https://www.phoenixcontact.com/il/products/0829144>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

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UCT-TM 12 CUS - Marker for terminal blocks

0829630

<https://www.phoenixcontact.com/il/products/0829630>



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: 12 mm, lettering field size: 10.8 x 9.6 mm, Number of individual labels: 30

PROJECT COMPLETE - Software

1050453

<https://www.phoenixcontact.com/il/products/1050453>



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

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<https://www.phoenixcontact.com/il/products/1143432>



E/AL-NS 35 - End clamp

1201662

<https://www.phoenixcontact.com/il/products/1201662>



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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