

Feed-through terminal block - UT 16 BK - 3044197

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Feed-through terminal block, Connection method: Screw connection, Cross section: 1.5 mm² - 25 mm², AWG: 16 - 4, Width: 12.2 mm, Height: 54.4 mm, Color: black, Mounting type: NS 35/7,5, NS 35/15


The figure shows the product in gray

Why buy this product

- 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
- Easy and time-saving potential supply and distribution of large currents and cross sections up to 35 mm² with reducing bridges
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"
- Tested for railway applications



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 055626 055275 |
| Weight per Piece (excluding packing) | 30.58 g |
| Custom tariff number | 85369010 |

Technical data

General

| | |
|--|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 16 mm ² |
| Color | black |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Area of application | Railway industry |
| | Machine building |

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Technical data

General

| | |
|--------------------------------|---|
| | Plant engineering |
| | Process industry |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum load current | 101 A (with 25 mm ² conductor cross section) |
| Nominal current I _N | 76 A |
| Nominal voltage U _N | 1000 V |
| Open side panel | Yes |

Dimensions

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

Connection data

| | |
|---|--|
| Connection method | Screw connection |
| Connection in acc. with standard | IEC 60947-7-1 |
| Note | Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area. |
| Conductor cross section solid min. | 1.5 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section AWG min. | 16 |
| Conductor cross section AWG max. | 4 |
| Conductor cross section flexible min. | 1.5 mm ² |
| Conductor cross section flexible max. | 25 mm ² |
| Min. AWG conductor cross section, flexible | 16 |
| Max. AWG conductor cross section, flexible | 4 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm ² |
| 2 conductors with same cross section, solid min. | 1 mm ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| 2 conductors with same cross section, stranded min. | 1 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 1 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 6 mm ² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Conductor cross section solid min. | 1.5 mm ² |
| Conductor cross section solid max. | 25 mm ² |
| Conductor cross section AWG min. | 16 |
| Conductor cross section AWG max. | 4 |
| Conductor cross section flexible min. | 1.5 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Stripping length | 14 mm |
| Internal cylindrical gage | A7 |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 3 Nm |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |

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Classifications

UNSPSC

| | |
|--------------|----------|
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals

VDE approval of drawings

Ex Approvals

UL Recognized / cUL Recognized

Approvals submitted

Approval details

| | |
|----------------------------|--------|
| VDE approval of drawings | |
| mm ² /AWG/kcmil | 1.5-16 |
| Nominal current IN | 76 A |
| Nominal voltage UN | 1000 V |

Accessories

Accessories

DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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Accessories

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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Accessories

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

End cap - NS 35/ 7,5 CAP - 1206560



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

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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Accessories

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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Accessories

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



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

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

End cover

End cover - D-UT 16 - 3047206



End cover, Length: 52.8 mm, Width: 2.2 mm, Height: 47.3 mm, Color: gray

Jumper

Plug-in bridge - FBS 2-12 - 3005950



Plug-in bridge, Pitch: 12 mm, Number of positions: 2, Color: red

Labeled terminal marker

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Accessories

Zack marker strip - ZB 12 CUS - 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: 10.5 x 12.15 mm

Marker for terminal blocks - ZB 12,LGS:L1-N,PE - 0812146



Marker for terminal blocks, Strip, white, labeled, Printed horizontally: L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 10.5 x 12.15 mm

Marker for terminal blocks - UC-TM 12 CUS - 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: 11.45 x 10.5 mm

Marker for terminal blocks - UCT-TM 12 CUS - 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: 10.8 x 9.6 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228



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

Partition plate

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Accessories

Partition plate - TPNS-UK - 0706647



Partition plate, Length: 80 mm, Width: 2 mm, Height: 70 mm, Color: gray

Pick-off terminal block

Pick-off terminal block - AGK 4-UT 16 - 3047125



Pick-off terminal block, Connection method: Screw connection, Cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, Width: 8.1 mm, Height: 24.7 mm, Color: gray, Mounting type: On base element

Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

Reducing bridge

Reducing bridge - RB UT 16-(2,5/4) - 3047073



Reducing bridge, Pitch: 13 mm, Number of positions: 2, Color: red

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Accessories

Reducing bridge - RB UT 16-ST(2,5/4) - 3047099



Reducing bridge, Pitch: 13 mm, Number of positions: 2, Color: red

Reducing bridge - RB 16-6 - 3047072



Reducing bridge, Pitch: 6 mm, Number of positions: 2, Color: red

Terminal marking

Zack marker strip - ZB 12:UNPRINTED - 0812120



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 12 x 10.5 mm

Marker for terminal blocks - UC-TM 12 - 0819194



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: 12 mm, Lettering field: 11.45 x 10.5 mm

Marker for terminal blocks - UCT-TM 12 - 0829144



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 12 mm, Lettering field: 10.8 x 9.6 mm

Warning label printed

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Accessories

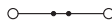
Warning label - WS UT 16 - 3047374

Warning sign for UT terminal blocks



Drawings

Circuit diagram



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