

Feed-through terminal block - UT 16 BU - 3044209

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, connection method: Screw connection, number of connections: 2, cross section: 1.5 mm² - 25 mm², AWG: 16 - 4, width: 12.2 mm, height: 54.4 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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
- ✓ 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


RoHS


Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 017918 977542 |
| GTIN | 4017918977542 |
| Weight per Piece (excluding packing) | 30.300 g |
| Custom tariff number | 85369010 |
| Country of origin | Turkey |

Technical data

General

| | |
|--|--------------------|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Nominal cross section | 16 mm ² |
| Color | blue |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |

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Technical data

General

| | |
|---|---|
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| | Process industry |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 2.43 W |
| Designation | Level 1 above 1 below 1 |
| 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 |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

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 |
|-------------------|------------------|

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Technical data

Connection data

| | |
|---|--|
| Screw thread | M5 |
| Stripping length | 14 mm |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 3 Nm |
| 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 |
| 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 |
| Internal cylindrical gage | A7 |

Standards and Regulations

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

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Technical data

Standards and Regulations

| | |
|--|-------------|
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

Environmental Product Compliance

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

Drawings

Circuit diagram



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |



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Classifications

UNSPSC

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

Approvals

Approvals

Approvals


DNV GL / CSA / PRS / UL Recognized / cUL Recognized / IECCEB Scheme / VDE Zeichengenehmigung / EAC / RS / cULus Recognized


Ex Approvals


IECEx / ATEX / EAC Ex

Approval details

| | | | |
|--------|---|---|------------|
| DNV GL |  | https://approvalfinder.dnvgl.com/ | TAE00001S9 |
|--------|---|---|------------|


| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 85 A | 85 A | |
| mm ² /AWG/kcmil | 16-4 | 16-4 | |


| | | | |
|-----|---|---|-------------------|
| PRS |  | http://www.prs.pl/ | TE/2156/880590/17 |
|-----|---|---|-------------------|


| | | | |
|----------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| Nominal voltage UN | 600 V | 600 V | |
| Nominal current IN | 85 A | 85 A | |
| mm ² /AWG/kcmil | 16-4 | 16-4 | |

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Approvals


| | | | |
|----------------------------|---|---|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | | B | C |
| Nominal voltage UN | | 600 V | 600 V |
| Nominal current IN | | 85 A | 85 A |
| mm ² /AWG/kcmil | | 16-4 | 16-4 |

| | | | |
|----------------------------|---|---|----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE-56827 |
| | | | |
| Nominal voltage UN | | 1000 V | |
| Nominal current IN | | 76 A | |
| mm ² /AWG/kcmil | | 1.5-16 | |

| | | | |
|----------------------------|---|---|----------|
| VDE Zeichengenehmigung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40020166 |
| | | | |
| Nominal voltage UN | | 1000 V | |
| Nominal current IN | | 76 A | |
| mm ² /AWG/kcmil | | 1.5-16 | |

| | | | |
|-----|---|--|--------------------------|
| EAC |  | | RU C- DE.A*30.B.01742 |
|-----|---|--|--------------------------|

| | | | |
|----|---|---|--------------|
| RS |  | http://www.rs-head.spb.ru/en/index.php | 17.00013.272 |
|----|---|---|--------------|

| | | | |
|------------------|---|--|--|
| cULus Recognized |  | | |
|------------------|---|--|--|



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