

UT 4-QUATTRO BUWH - Feed-through terminal block



1691415

<https://www.phoenixcontact.com/sg/products/1691415>

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Feed-through terminal block, nom. voltage: 500 V, nominal current: 32 A, number of connections: 4, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.14 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: blue/white

Your advantages

- These versions can be used as compact potential distributors
- Tested for railway applications

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1691415 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Note | Made to order (non-returnable) |
| Sales key | ***** |
| Product key | BE1113 |
| GTIN | 4067923253087 |
| Weight per piece (including packing) | 17.539 g |
| Weight per piece (excluding packing) | 17.6 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------------|--------------------------------|
| Product type | Multi-conductor terminal block |
| Product family | UT |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| | Process industry |
| Number of connections | 4 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 1.02 W |

Connection data

| | |
|---|---|
| Number of connections per level | 4 |
| Nominal cross section | 4 mm ² |
| Screw thread | M3 |
| Tightening torque | 0.6 ... 0.8 Nm |
| Stripping length | 9 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section rigid | 0.14 mm ² ... 6 mm ² |
| Cross section AWG | 26 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.14 mm ² ... 6 mm ² |
| Conductor cross section, flexible [AWG] | 26 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| 2 conductors with same cross section, solid | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal current | 32 A (with 4 mm ² conductor cross section) |
| Maximum load current | 37 A (In the case of a 6 mm ² conductor cross section, the maximum load current must not be exceeded by the total current of all connected conductors) |

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| | |
|-----------------------|-------------------|
| Nominal voltage | 500 V |
| Nominal cross section | 4 mm ² |

Ex data

Rated data (ATEX/IECEx)

| | |
|--|-------------------------------------|
| Identification | Ex II 2 GD Ex eb IIC Gb |
| Operating temperature range | -60 °C ... 110 °C |
| Ex-certified accessories | 3047170 D-UT 2,5/4-QUATTRO |
| | 3047109 DS-UT 2,5/4 |
| | 3047196 ATP-UT-QUATTRO |
| | 1205053 SZS 0,6X3,5 |
| | 3022276 CLIPFIX 35-5 |
| | 3022218 CLIPFIX 35 |
| List of bridges | Plug-in bridge / FBS 2-6 / 3030336 |
| | Plug-in bridge / FBS 3-6 / 3030242 |
| | Plug-in bridge / FBS 4-6 / 3030255 |
| | Plug-in bridge / FBS 5-6 / 3030349 |
| | Plug-in bridge / FBS 10-6 / 3030271 |
| | Plug-in bridge / FBS 20-6 / 3030365 |
| Bridge data | 27 A (4 mm ²) |
| Ex temperature increase | 40 K (31.9 A / 4 mm ²) |
| for bridging with bridge | 352 V |
| - At bridging between non-adjacent terminal blocks | 352 V |
| - At bridging between non-adjacent terminal blocks via PE terminal block | 275 V |
| - At cut-to-length bridging with cover | 220 V |
| - At cut-to-length bridging with partition plate | 275 V |
| Rated insulation voltage | 320 V |
| output | (Permanent) |

Ex level General

| | |
|----------------------|---------|
| Rated voltage | 352 V |
| Rated current | 29 A |
| Maximum load current | 33 A |
| Contact resistance | 0.56 mΩ |

Ex connection data General

| | |
|---|--|
| Torque range | 0.6 Nm ... 0.8 Nm |
| Nominal cross section | 4 mm ² |
| Rated cross section AWG | 12 |
| Connection capacity rigid | 0.14 mm ² ... 6 mm ² |
| Connection capacity AWG | 26 ... 10 |
| Connection capacity flexible | 0.14 mm ² ... 4 mm ² |
| Connection capacity AWG | 26 ... 12 |
| 2 conductors with same cross section, solid | 0.14 mm ² ... 1.5 mm ² |

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| | |
|---|--|
| 2 conductors with the same cross-section AWG rigid | 26 ... 16 |
| 2 conductors with same cross section, stranded | 0.14 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross-section AWG flexible | 26 ... 16 |

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Height | 65.4 mm |
| Depth | 46.9 mm |
| Depth on NS 35/7,5 | 47.5 mm |
| Depth on NS 35/15 | 55 mm |

Material specifications

| | |
|--|-----------------|
| Color | blue (RAL 5015) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|--|--|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

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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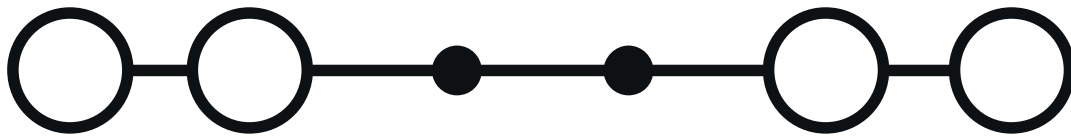


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1691415>

| | | | | |
|--|--|-----------------------|-------------------|-----------------------------|
| | IECEE CB Scheme Approval ID: DE1-62912 | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 500 V | - | - | - |

| | | | | |
|--|--|--|--|--|
| | cULus Recognized Approval ID: E60425 | | | |
|--|--|--|--|--|

| | | | | |
|--|--|-----------------------|-------------------|-----------------------------|
| | VDE approval of drawings Approval ID: 40040772 | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 500 V | 32 A | - | 0.14 - 6 |

| | | | | |
|--|---------------------------------------|--|--|--|
| | DNV Approval ID: TAE00001S9 | | | |
|--|---------------------------------------|--|--|--|

| | | | | |
|--|--|--|--|--|
| | cULus Recognized Approval ID: E60425 | | | |
|--|--|--|--|--|

| | | | | |
|--|---|--|--|--|
| | ATEX Approval ID: KEMA06ATEX0017U | | | |
|--|---|--|--|--|

| | | | | |
|--|---|-----------------------|-------------------|-----------------------------|
| | cUL Recognized Approval ID: E192998 | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | Use group B | | | |
| | 150 V | 30 A | 26 - 10 | - |
| | Use group C | | | |
| | 150 V | 30 A | 26 - 10 | - |

| | | | | |
|--|---|--|--|--|
| | IECEx Approval ID: IECEx KEM 06.0013U | | | |
|--|---|--|--|--|

| | | | | |
|--|--|--|--|--|
| | UL Recognized Approval ID: E192998 | | | |
|--|--|--|--|--|


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| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group B | | | | |
| | 150 V | 30 A | 26 - 10 | - |
| Use group C | | | | |
| | 150 V | 30 A | 26 - 10 | - |



CCC
Approval ID: 2020322313000622



UKCA-EX
Approval ID: DEKRA 21UKEX0305U

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250101 |
|-------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000897 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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