

1291260  
<https://www.phoenixcontact.com/sg/products/1291260>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Disconnect terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 20 A, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, color: blue

Your advantages

- Double bridge shaft enables individual potential distribution and supply
- Compact design and high current carrying capacity of 20 A
- Suitable for process technology, thanks to Ex nA approval

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1291260       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | *****         |
| Product key                          | BE1132        |
| GTIN                                 | 4063151522797 |
| Weight per piece (including packing) | 13.786 g      |
| Weight per piece (excluding packing) | 13.76 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## Technical data

### Notes

|         |                                                      |
|---------|------------------------------------------------------|
| General | Current and voltage are determined by the plug used. |
|---------|------------------------------------------------------|

### Product properties

|                       |                           |
|-----------------------|---------------------------|
| Product type          | Disconnect terminal block |
| Area of application   | Machine building          |
|                       | Plant engineering         |
| Number of connections | 2                         |
| 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 | 0.77 W |

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Number of connections per level | 2                 |
| Nominal cross section           | 4 mm <sup>2</sup> |

### Level 1 above 1 below 1

|                                                                                           |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 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 <sup>2</sup> ... 6 mm <sup>2</sup>            |
| Cross section AWG                                                                         | 26 ... 10 (converted acc. to IEC)                     |
| Conductor cross section flexible                                                          | 0.14 mm <sup>2</sup> ... 6 mm <sup>2</sup>            |
| Conductor cross section, flexible [AWG]                                                   | 26 ... 10 (converted acc. to IEC)                     |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>            |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>            |
| 2 conductors with same cross section, solid                                               | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>          |
| 2 conductors with same cross section, flexible                                            | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>          |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>          |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| Nominal current                                                                           | 20 A                                                  |
| Maximum load current                                                                      | 20 A (with 6 mm <sup>2</sup> conductor cross section) |

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
|                       | 20 A (with 6 mm <sup>2</sup> conductor cross section) |
| Nominal voltage       | 500 V                                                 |
| Nominal cross section | 4 mm <sup>2</sup>                                     |

## Ex data

### Rated data (ATEX/IECEx)

|                             |                                     |
|-----------------------------|-------------------------------------|
| Identification              | Ex II 3 G Ex ec IIC Gc              |
| Operating temperature range | -50 °C ... 130 °C                   |
| Ex-certified accessories    | 3047183 ATP-UT-TWIN                 |
|                             | 3036807 P-FU 5X20-EX                |
|                             | 3036821 P-FU 5X20 LED 24-EX         |
|                             | 3036823 P-FU 5X20 LED 60-EX         |
|                             | 3036836 P-FU 5X20 LA 250-EX         |
|                             | 3036806 P-FU 5X20                   |
|                             | 3036819 P-FU 5X20 LED 24            |
|                             | 3036822 P-FU 5X20 LED 60            |
|                             | 3046524 P-FU 6,3X32 LA 250          |
|                             | 3022276 CLIPFIX 35-5                |
| List of bridges             | 3022218 CLIPFIX 35                  |
|                             | 1205053 SZS 0,6X3,5                 |
|                             | 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  |
| Bridge data                 | Plug-in bridge / FBS 10-6 / 3030271 |
|                             | Plug-in bridge / FBS 20-6 / 3030365 |
| Rated voltage               | 20 A / 4 mm <sup>2</sup>            |
| Rated insulation voltage    | 275 V                               |
| output                      | 250 V                               |
|                             | (Permanent)                         |

### Ex level General

|                      |       |
|----------------------|-------|
| Rated current        | 6.3 A |
| Maximum load current | 6.3 A |

### Ex connection data General

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

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

|                                                                                      |                                              |
|--------------------------------------------------------------------------------------|----------------------------------------------|
| 2 conductors with the same cross-section AWG rigid                                   | 26 ... 16                                    |
| 2 conductors with same cross section, stranded                                       | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with the same cross-section AWG flexible                                | 26 ... 16                                    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.           | 0.14 mm <sup>2</sup>                         |
| Conductor cross section flexible, with ferrule without plastic sleeve max.           | 4 mm <sup>2</sup>                            |
| Single conductor/terminal point, flexible, with ferrule, without plastic sleeve, AWG | 26 ... 12                                    |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 6.2 mm  |
| Height             | 57.8 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               |
| Static insulating material application in cold                   | -60 °C          |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C          |
| 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     |
| 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          |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## 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 %                                                                                                                |

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## Standards and regulations

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

## Mounting

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

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## Drawings

Circuit diagram



# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/1291260>

|                                                                                                                                 |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: E192998 |                       |                       |                   |                             |
|                                                                                                                                 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                 | 250 V                 | 6.3 A                 | 26 - 10           | 26 - 10                     |

|                                                                                                                                |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: E192998 |                       |                       |                   |                             |
|                                                                                                                                | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                | 250 V                 | 6.3 A                 | 26 - 10           | -                           |

|                                                                                                                                |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>CCC</b><br>Approval ID: 2020322313000632 |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                                                        |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>CSA</b><br>Approval ID: 2725780 |                       |                       |                   |                             |
|                                                                                                                        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                            |                       |                       |                   |                             |
|                                                                                                                        | 500 V                 | 16 A                  | 26 - 10           | -                           |
| Use group C                                                                                                            |                       |                       |                   |                             |
|                                                                                                                        | 500 V                 | 16 A                  | 26 - 10           | -                           |

|                                                                                                                                  |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>IECEx</b><br>Approval ID: IECExUL13.0007U |                       |                       |                   |                             |
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                  | 500 V                 | 16 A                  | -                 | 0.14 - 6                    |

|                                                                                                                                  |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>ATEX</b><br>Approval ID: DEMKO14ATEX1353U |                       |                       |                   |                             |
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                  | 500 V                 | 16 A                  | -                 | 0.14 - 6                    |

|                                                                                                                                  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|  <b>UKCA-EX</b><br>Approval ID: UL22UKEX2452U |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

# UT 4-TG-P/P-EX BU - Disconnect terminal block

1291260

<https://www.phoenixcontact.com/sg/products/1291260>



# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141126 |
| ECLASS-12.0 | 27141126 |
| ECLASS-13.0 | 27250108 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000902 |
|----------|----------|

### UNSPSC

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

# UT 4-TG-P/P-EX BU - Disconnect terminal block



1291260

<https://www.phoenixcontact.com/sg/products/1291260>

## 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)                 |
| SCIP                                | 738b72da-1102-494c-82a7-589dfa07a2f1 |

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.

105 Eunos Avenue 3, #04-00

Singapore 409836

+65 6228 4900

[marketing@phoenixcontact.com.sg](mailto:marketing@phoenixcontact.com.sg)