

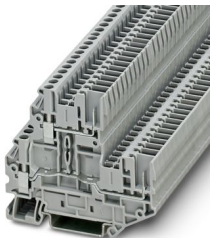
# UTTB 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

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.



Double-level terminal block, Current and voltage are determined by the plug used., nom. voltage: 500 V, nominal current: 24 A, connection method: Screw/plug-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

## Your advantages

- Potential routing on two levels

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3060351             |
| Packing unit                         | 50 pc               |
| Minimum order quantity               | 50 pc               |
| Sales key                            | BE01                |
| Product key                          | BE1141              |
| Catalog page                         | Page 303 (C-1-2019) |
| GTIN                                 | 4046356132213       |
| Weight per piece (including packing) | 14.835 g            |
| Weight per piece (excluding packing) | 14.369 g            |
| Customs tariff number                | 85369010            |
| Country of origin                    | PL                  |

# UTT 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

## Technical data

### Notes

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

### Product properties

|                       |                        |
|-----------------------|------------------------|
| Product type          | Plug-in terminal block |
| Product family        | UTT                    |
| Number of connections | 4                      |
| Number of rows        | 2                      |
| Potentials            | 2                      |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 06 |
|------------------|----|

### 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           | 2.5 mm <sup>2</sup> |

### Level 1+2

|                                                                                           |                                              |
|-------------------------------------------------------------------------------------------|----------------------------------------------|
| Screw thread                                                                              | M3                                           |
| Tightening torque                                                                         | 0.5 ... 0.6 Nm                               |
| Stripping length                                                                          | 9 mm                                         |
| Internal cylindrical gage                                                                 | A3                                           |
| Connection in acc. with standard                                                          | IEC 61984                                    |
| Conductor cross section rigid                                                             | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Cross section AWG                                                                         | 26 ... 12 (converted acc. to IEC)            |
| Conductor cross section flexible                                                          | 0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section, flexible [AWG]                                                   | 26 ... 12 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.14 mm <sup>2</sup> ... 2.5 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> ... 1.5 mm <sup>2</sup>  |

# UTT 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Nominal current       | 24 A                                                  |
| Maximum load current  | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal voltage       | 500 V                                                 |
| Nominal cross section | 2.5 mm <sup>2</sup>                                   |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 5.2 mm  |
| End cover width    | 2.2 mm  |
| Height             | 69.9 mm |
| Depth              | 64.4 mm |
| Depth on NS 35/7,5 | 65 mm   |
| Depth on NS 35/15  | 72.5 mm |

## Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| Insulating material group                                               | I               |
| Insulating material                                                     | PA              |
| Static insulating material application in cold                          | -60 °C          |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °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     |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg        |
| 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          |

## Electrical tests

### Surge voltage test

|                                                  |             |
|--------------------------------------------------|-------------|
| Test voltage setpoint                            | 7.3 kV      |
| Result                                           | Test passed |
| Short-time withstand current 2.5 mm <sup>2</sup> | 0.3 kA      |
| Result                                           | Test passed |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 1.89 kV     |
| Result                | Test passed |

## Mechanical properties

### Mechanical data

# UTTB 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

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

## Mechanical tests

### Attachment on the carrier

|                         |             |
|-------------------------|-------------|
| DIN rail/fixing support | NS 35       |
| Test force setpoint     | 1 N         |
| Result                  | Test passed |

## Environmental and real-life conditions

### Service life

|                             |     |
|-----------------------------|-----|
| Insertion/withdrawal cycles | 100 |
|-----------------------------|-----|

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| Result           | Test passed |

### Oscillation/broadband noise

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2018-05                 |
| Spectrum               | Service life test category 1, class B, body mounted |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| ASD level              | $0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$          |
| Acceleration           | 0.58g                                               |
| Test duration per axis | 5 h                                                 |
| Test directions        | X-, Y- and Z-axis                                   |
| Result                 | Test passed                                         |

### Shocks

|                                |                                     |
|--------------------------------|-------------------------------------|
| Specification                  | DIN EN 50155 (VDE 0115-200):2018-05 |
| Pulse shape                    | Half-sine                           |
| Acceleration                   | 5g                                  |
| Shock duration                 | 30 ms                               |
| Number of shocks per direction | 3                                   |
| Test directions                | X-, Y- and Z-axis (pos. and neg.)   |
| Result                         | Test passed                         |

### Ambient conditions

|                                          |                                                                          |
|------------------------------------------|--------------------------------------------------------------------------|
| Ambient temperature (operation)          | -60 °C (max. operating temperature see derating curve)                   |
| Ambient temperature (storage/transport)  | -25 °C ... 60 °C (for a short time, no longer than 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

# UTTB 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

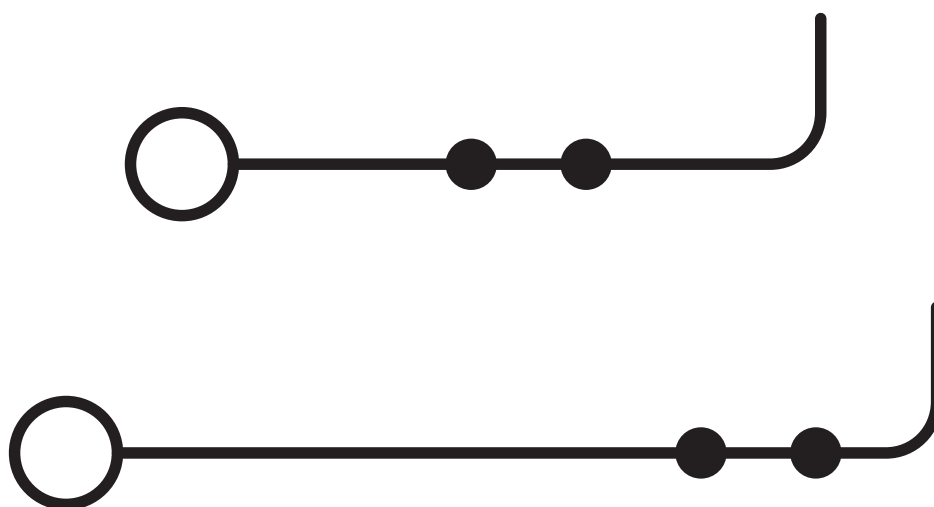
|                                  |           |
|----------------------------------|-----------|
| Connection in acc. with standard | IEC 61984 |
|----------------------------------|-----------|

## Mounting

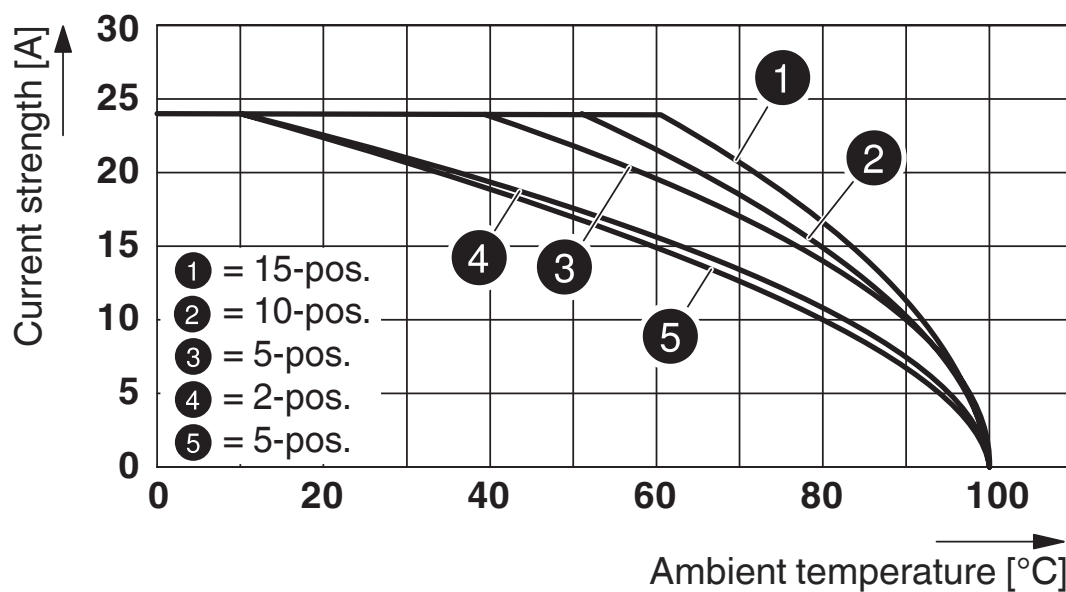
|               |           |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
|               | NS 35/15  |
| Thread type   | ()        |

## Drawings

Circuit diagram



Diagram



# UTTB 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3060351>

**EAC**  
Approval ID: RU C-DE.BL08.B.00534

| <div><b>cULus Recognized</b><br/>Approval ID: E60425</div> |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                             | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                                 |                       |                       |                   |                             |
|                                                                                                                                             | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Multi-conductor connection                                                                                                                  | 300 V                 | 20 A                  | 26 - 16           | -                           |
| Use group C                                                                                                                                 |                       |                       |                   |                             |
|                                                                                                                                             | 300 V                 | 20 A                  | 26 - 12           | -                           |
| Multi-conductor connection                                                                                                                  | 300 V                 | 20 A                  | 26 - 16           | -                           |
| Use group D                                                                                                                                 |                       |                       |                   |                             |
|                                                                                                                                             | 600 V                 | 5 A                   | 26 - 12           | -                           |

# UTTB 2,5/2P - Double-level terminal block



3060351

<https://www.phoenixcontact.com/us/products/3060351>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141120 |
| ECLASS-13.0 | 27250117 |

### ETIM

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

### UNSPSC

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



# UTTB 2,5/2P - Double-level terminal block



3060351  
<https://www.phoenixcontact.com/us/products/3060351>

## 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                                    | 84226838-945e-4772-8d4a-2f357fb72a01                                                                                                                                                                                              |

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)