

Double-level terminal block - UTTB 2,5/2P-PV BU - 3060487

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Double-level terminal block, With equipotential bonder, connection method: Screw/plug-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Your advantages

- Potential routing on two levels



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 50 pc |
| GTIN | |
| GTIN | 4046356157056 |

Technical data

General

| | |
|-------------------------------------------------|------------------------------------------------------------------|
| Number of levels | 2 |
| Number of connections | 4 |
| Nominal cross section | 2.5 mm ² |
| Color | blue |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum power dissipation for nominal condition | 0.77 W (the value is multiplied when connecting multiple levels) |
| Connection in acc. with standard | IEC 61984 |
| Nominal current I _N | 24 A |
| Maximum load current | 24 A (with 4 mm ² conductor cross section) |
| Nominal voltage U _N | 500 V |

Double-level terminal block - UTTB 2,5/2P-PV BU - 3060487

Technical data

General

| | |
|-------------------------------------------------------------------------|-------------|
| 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 | 5.2 mm |
| Length | 69.9 mm |
| Height NS 35/7,5 | 65 mm |
| Height NS 35/15 | 72.5 mm |

Connection data

| | |
|----------------------------------------------------------------------------|--------------------------|
| Connection method | Screw/plug-in connection |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |

Double-level terminal block - UTTB 2,5/2P-PV BU - 3060487

Technical data

Connection data

| | |
|-----------------------------------------------------------------------------------------|----------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |
| Stripping length | 9 mm |
| Internal cylindrical gage | A3 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Standards and Regulations

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

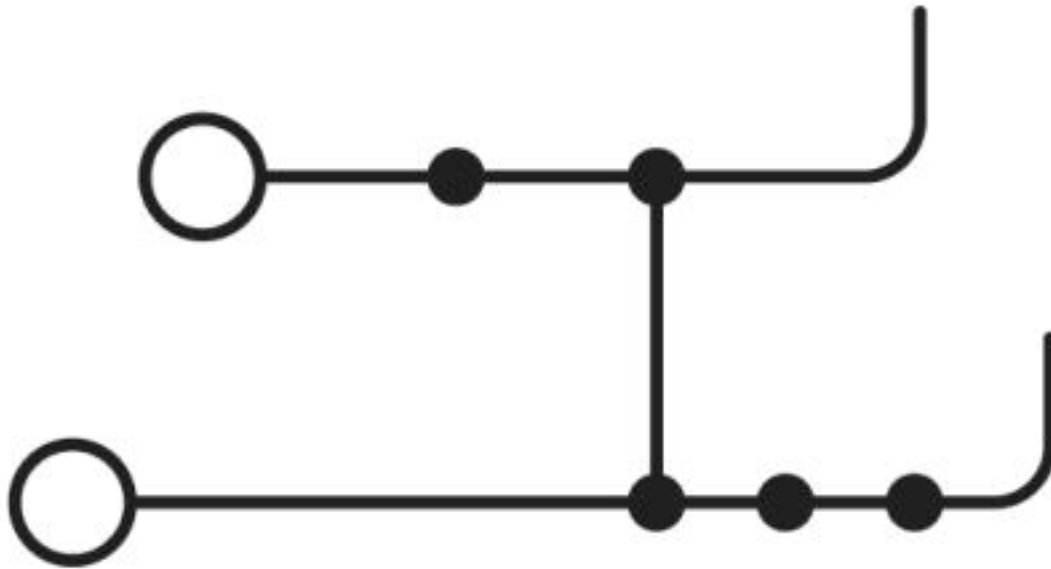
Environmental Product Compliance

| | |
|------------|-----------------------------------------------------------------------------------------------------|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Double-level terminal block - UTTB 2,5/2P-PV BU - 3060487

Circuit diagram



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | | |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | | FILE E 60425 |
| | B | C | D | |
| Nominal voltage UN | 300 V | 300 V | 600 V | |
| Nominal current IN | 20 A | 20 A | 5 A | |
| mm ² /AWG/kcmil | 26-12 | 26-12 | 26-12 | |


| | | | | |
|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | | FILE E 60425 |
| | B | C | D | |
| Nominal voltage UN | 300 V | 300 V | 600 V | |

Double-level terminal block - UTTB 2,5/2P-PV BU - 3060487

Approvals

| | B | C | D |
|----------------------------|-------|-------|-------|
| Nominal current IN | 20 A | 20 A | 5 A |
| mm ² /AWG/kcmil | 26-12 | 26-12 | 26-12 |

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

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

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>