

## Feed-through terminal block - UTTB 4-PV - 3044733

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://download.phoenixcontact.com>)



Double-level terminal block with a screw connection, cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 26 - 10, width: 6.2 mm, color: Gray

### Product Features

- ✓ Since there are two function shafts per level, all potential distribution tasks can be implemented quickly
- ✓ Tested for railway applications
- ✓ As an option, the levels can be connected using the FBS-PV UT vertical bridge
- ✓ For a clear overview, each terminal point supports large-surface labeling
- ✓ For example, two separate potentials can be routed side by side with the help of bridging between non-adjacent terminal blocks



### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918997069 |

### Technical data

#### General

|                                         |                        |
|-----------------------------------------|------------------------|
| Number of levels                        | 2                      |
| Number of connections                   | 4                      |
| Color                                   | gray                   |
| Insulating material                     | PA                     |
| Inflammability class according to UL 94 | V0                     |
| Area of application                     | Railway industry       |
| Area of application                     | Mechanical engineering |
| Area of application                     | Plant engineering      |
| Area of application                     | Process industry       |

#### General

|                                  |               |
|----------------------------------|---------------|
| Rated surge voltage              | 8 kV          |
| Pollution degree                 | 3             |
| Surge voltage category           | III           |
| Insulating material group        | I             |
| Connection in acc. with standard | IEC 60947-7-1 |

# Feed-through terminal block - UTTB 4-PV - 3044733

## Technical data

### General

|                                                                                 |                                                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------|
| Nominal current $I_N$                                                           | 30 A                                                |
| Nominal voltage $U_N$                                                           | 800 V                                               |
| Open side panel                                                                 | ja                                                  |
| Shock protection test specification                                             | DIN EN 50274 (VDE 0660-514):2002-11                 |
| Back of the hand protection                                                     | guaranteed                                          |
| Finger protection                                                               | guaranteed                                          |
| Surge voltage test setpoint                                                     | 9.8 kV                                              |
| Result of surge voltage test                                                    | Test passed                                         |
| Power frequency withstand voltage setpoint                                      | 2 kV                                                |
| Result of power-frequency withstand voltage test                                | Test passed                                         |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                                         |
| Bending test rotation speed                                                     | 10 rpm                                              |
| Bending test turns                                                              | 135                                                 |
| Bending test conductor cross section/weight                                     | 0.14 mm <sup>2</sup> / 0.2 kg                       |
| Bending test conductor cross section/weight                                     | 4 mm <sup>2</sup> / 0.9 kg                          |
| Bending test conductor cross section/weight                                     | 6 mm <sup>2</sup> / 1.4 kg                          |
| Result of bending test                                                          | Test passed                                         |
| Conductor cross section tensile test                                            | 0.14 mm <sup>2</sup>                                |
| Tractive force setpoint                                                         | 10 N                                                |
| Conductor cross section tensile test                                            | 4 mm <sup>2</sup>                                   |
| Tractive force setpoint                                                         | 60 N                                                |
| Conductor cross section tensile test                                            | 6 mm <sup>2</sup>                                   |
| Tractive force setpoint                                                         | 80 N                                                |
| Tensile test result                                                             | Test passed                                         |
| Tight fit on carrier                                                            | NS 35                                               |
| Setpoint                                                                        | 1 N                                                 |
| Result of tight fit test                                                        | Test passed                                         |
| Requirements, voltage drop                                                      | ≤ 3.2 mV                                            |
| Result of voltage drop test                                                     | Test passed                                         |
| Temperature-rise test                                                           | Test passed                                         |
| Conductor cross section short circuit testing                                   | 4 mm <sup>2</sup>                                   |
| Short-time current                                                              | 0.48 kA                                             |
| Conductor cross section short circuit testing                                   | 6 mm <sup>2</sup>                                   |
| Short-time current                                                              | 0.72 kA                                             |
| Short circuit stability result                                                  | Test passed                                         |
| Proof of thermal characteristics (needle flame) effective duration              | 30 s                                                |
| Result of thermal test                                                          | Test passed                                         |
| Test specification, oscillation, broadband noise                                | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Test spectrum                                                                   | Service life test category 1, class B, body mounted |
| Test frequency                                                                  | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |

# Feed-through terminal block - UTTB 4-PV - 3044733

## Technical data

### General

|                                                                              |                                     |
|------------------------------------------------------------------------------|-------------------------------------|
| <b>ASD level</b>                                                             | 0.02 g <sup>2</sup> /Hz             |
| <b>Acceleration</b>                                                          | 0.8 g                               |
| <b>Test duration per axis</b>                                                | 5 h                                 |
| <b>Test directions</b>                                                       | X-, Y- and Z-axis                   |
| <b>Oscillation, broadband noise test result</b>                              | Test passed                         |
| <b>Test specification, shock test</b>                                        | DIN EN 50155 (VDE 0115-200):2008-03 |
| <b>Shock form</b>                                                            | Semi-sinusoidal                     |
| <b>Acceleration</b>                                                          | 5 g                                 |
| <b>Shock duration</b>                                                        | 30                                  |
| <b>Number of shocks per direction</b>                                        | 3                                   |
| <b>Test directions</b>                                                       | X-, Y- and Z-axis (pos. and neg.)   |
| <b>Shock test result</b>                                                     | Test passed                         |
| <b>Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))</b> | 120 °C                              |

### Dimensions

|                         |         |
|-------------------------|---------|
| <b>Width</b>            | 6.2 mm  |
| <b>Length</b>           | 69.9 mm |
| <b>Height NS 35/7,5</b> | 65 mm   |
| <b>Height NS 35/15</b>  | 72.5 mm |

### Connection data

|                                                                                              |                      |
|----------------------------------------------------------------------------------------------|----------------------|
| <b>Conductor cross section solid min.</b>                                                    | 0.14 mm <sup>2</sup> |
| <b>Conductor cross section solid max.</b>                                                    | 6 mm <sup>2</sup>    |
| <b>Conductor cross section stranded min.</b>                                                 | 0.14 mm <sup>2</sup> |
| <b>Conductor cross section stranded max.</b>                                                 | 6 mm <sup>2</sup>    |
| <b>Conductor cross section AWG/kcmil min.</b>                                                | 26                   |
| <b>Conductor cross section AWG/kcmil max</b>                                                 | 10                   |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>            | 0.14 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>            | 4 mm <sup>2</sup>    |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>               | 0.14 mm <sup>2</sup> |
| <b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>               | 4 mm <sup>2</sup>    |
| <b>2 conductors with same cross section, solid min.</b>                                      | 0.14 mm <sup>2</sup> |
| <b>2 conductors with same cross section, solid max.</b>                                      | 1.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded min.</b>                                   | 0.14 mm <sup>2</sup> |
| <b>2 conductors with same cross section, stranded max.</b>                                   | 1.5 mm <sup>2</sup>  |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b> | 0.14 mm <sup>2</sup> |
| <b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b> | 1.5 mm <sup>2</sup>  |

# Feed-through terminal block - UTTB 4-PV - 3044733

## Technical data

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup> |
| Connection method                                                                       | Screw connection    |
| Stripping length                                                                        | 9 mm                |
| Internal cylindrical gage                                                               | A4                  |
| Screw thread                                                                            | M3                  |
| Tightening torque, min                                                                  | 0.6 Nm              |
| Tightening torque max                                                                   | 0.8 Nm              |

## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141141 |
| eCl@ss 7.0 | 27141141 |
| eCl@ss 8.0 | 27141141 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000901 |
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000897 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## approvals

IECEX / ATEX / CSA / UL Recognized / cUL Recognized / GL / RS / cULus Recognized /

### Approval details

|       |
|-------|
| IECEX |
|-------|

## Feed-through terminal block - UTTB 4-PV - 3044733

### approvals

|                    |        |
|--------------------|--------|
|                    |        |
| Nominal voltage UN | 440 V  |
| Nominal current IN | 29.5 A |
| mm²/AWG/kcmil      | 0.14-4 |

|                                                                                        |        |
|----------------------------------------------------------------------------------------|--------|
| ATEX  |        |
|                                                                                        |        |
| Nominal voltage UN                                                                     | 440 V  |
| Nominal current IN                                                                     | 33.5 A |
| mm²/AWG/kcmil                                                                          | 0.14-6 |

| CSA  |       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                             | B     | C     | D     |
| Nominal voltage UN                                                                    | 300 V | 300 V | 600 V |
| Nominal current IN                                                                    | 30 A  | 30 A  | 5 A   |
| mm²/AWG/kcmil                                                                         | 26-10 | 26-10 | 26-10 |

| UL Recognized  |       |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                         | B     | C     | D     |
| Nominal voltage UN                                                                                | 300 V | 300 V | 600 V |
| Nominal current IN                                                                                | 30 A  | 30 A  | 5 A   |
| mm²/AWG/kcmil                                                                                     | 26-10 | 26-10 | 26-10 |

| cUL Recognized  |       |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                          | B     | C     | D     |
| Nominal voltage UN                                                                                 | 300 V | 300 V | 600 V |
| Nominal current IN                                                                                 | 30 A  | 30 A  | 5 A   |
| mm²/AWG/kcmil                                                                                      | 26-10 | 26-10 | 26-10 |

|    |
|----|
| GL |
|----|

|    |
|----|
| RS |
|----|

## Feed-through terminal block - UTTB 4-PV - 3044733

approvals

cULus Recognized  US

accessories

**End cover**

D-UTTB 2,5/4 - 3047293



DP PS-6 - 3036738



**Partition plate**

DP-UTTB 2,5/4 - 3047303



**Partition plate**

ATP-UTTB 2,5/4 - 3047316



**Screwdriver tools**

## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

SZS 0,6X3,5 - 1205053



---

### Marker pen

X-PEN 0,35 - 0811228



---

### Bridge

FBS 2-6 - 3030336



---

FBS 3-6 - 3030242



---

FBS 4-6 - 3030255



## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

FBS 5-6 - 3030349



---

FBS 10-6 - 3030271



---

FBS 20-6 - 3030365



---

FBS 50-6 - 3032224



---

FBS-PV UT - 3047358



---

### Mounting rail

## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

---

NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



---

NS 35/ 7,5 CU UNPERF 2000MM - 0801762



---

NS 35/ 7,5 CAP - 1206560



---

### Terminal marking

ZB 6:UNBEDRUCKT - 1051003



---

UC-TM 6 - 0818085



## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

UCT-TM 6 - 0828736



---

#### Labeled terminal marker

ZB 6 CUS - 0824992



UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



---

#### Test plug terminal block

MPS-MT - 0201744



## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

PAI-4-FIX-5/6 BU - 3035975



---

PAI-4-FIX-5/6 OG - 3035974



---

PAI-4-FIX-5/6 YE - 3035977



---

PAI-4-FIX-5/6 RD - 3035976



---

PAI-4-FIX-5/6 GN - 3035978



---

PAI-4-FIX-5/6 BK - 3035980



## Feed-through terminal block - UTTB 4-PV - 3044733

### accessories

---

PAI-4-FIX-5/6 GY - 3035982



---

PAI-4-FIX-5/6 VT - 3035979



---

PAI-4-FIX-5/6 BN - 3035981



---

PS-6 - 3030996



---

PS-6/2,3MM RD - 3038736



---

### Insulating sleeve

# Feed-through terminal block - UTTB 4-PV - 3044733

## accessories

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



## Feed-through terminal block - UTTB 4-PV - 3044733

accessories

---

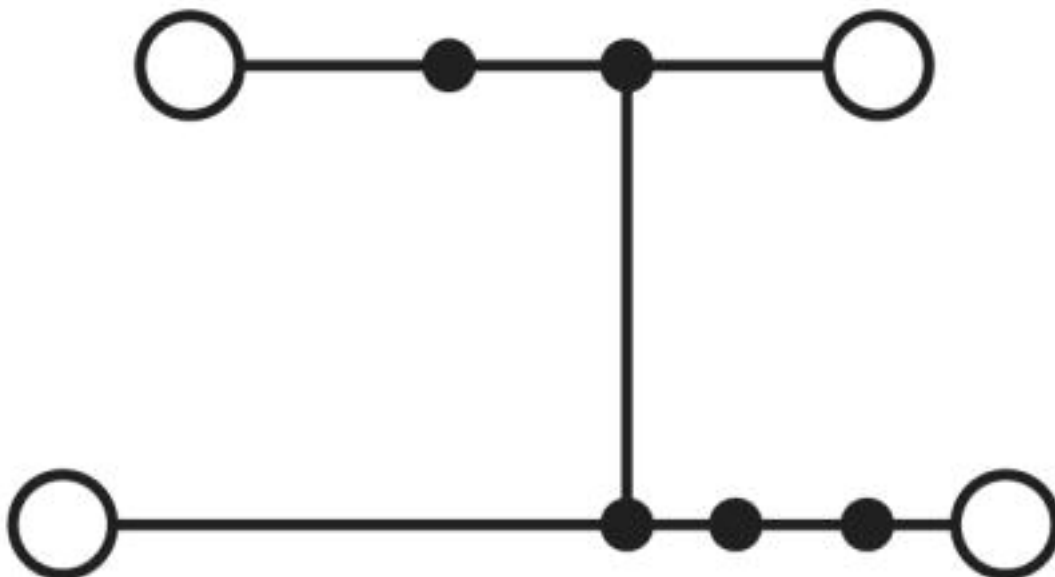
MPS-IH BK - 0201731



---

### Drawings

Circuit diagram



© Phoenix Contact 2013 - all rights reserved  
<http://www.phoenixcontact.com>