

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

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, nom. voltage: 500 V, nominal current: 28 A, connection method: Push-in connection, 1st and 2nd level, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: orange



The figure shows the product in gray

Your advantages

- Time-saving conductor connection thanks to tool-free direct-connection technology
- Convenient plugging with lower insertion force
- High conductor pull-out forces due to the spring design
- Vibration-resistant and maintenance-free conductor connection
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories
- High space savings thanks to the compact integration of two separate circuits in a single terminal block
- Optimized for manual and automated wiring

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3211792 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | BE22 |
| Product key | BE2214 |
| GTIN | 4055626461595 |
| Weight per piece (including packing) | 16.61 g |
| Weight per piece (excluding packing) | 16.61 g |
| Customs tariff number | 85369010 |
| Country of origin | CN |

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Technical data

Product properties

| | |
|-----------------------|----------------------------|
| Product type | Multi-level terminal block |
| Product family | PT |
| Area of application | Railway industry |
| | Machine building |
| | Plant engineering |
| | Process industry |
| Number of connections | 4 |
| Number of rows | 2 |
| Potentials | 2 |

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 | 2 |
| Nominal cross section | 4 mm ² |

1st and 2nd level

| | |
|---|--|
| Connection method | Push-in connection |
| Stripping length | 10 mm ... 12 mm |
| Internal cylindrical gage | A4 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.2 mm ² ... 6 mm ² |
| Cross section AWG | 24 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.2 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] | 24 ... 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 the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 28 A (with 4 mm ² conductor cross-section) |
| Maximum load current | 32 A (with 6 mm ² conductor cross-section, rigid) |
| Nominal voltage | 500 V |

1st and 2nd level Connection cross sections directly pluggable

| | |
|-------------------------------|---|
| Conductor cross-section rigid | 0.5 mm ² ... 6 mm ² |
|-------------------------------|---|

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

| | |
|---|---|
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.5 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.5 mm ² ... 4 mm ² |

Ex data

Rated data (ATEX/IECEx)

| | |
|--|--|
| Identification | ⊕ II 2 G Ex eb IIC Gb |
| Operating temperature range (1) | -60 °C ... 85 °C |
| Operating temperature range (2) | -40 °C ... 110 °C |
| Ex-certified accessories | 3030462 D-STTB 4 3030747 ATP-STTB 4 1204517 SZF 1-0,6X3,5 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 | 23 A / 4 mm ² |
| Ex temperature increase | 40 K (23 A / 4 mm ²) |
| for bridging with bridge | 440 V |
| - At bridging between non-adjacent terminal blocks | 352 V |
| - At bridging between non-adjacent terminal blocks via PE terminal block | 352 V |
| - At cut-to-length bridging | 220 V |
| - At cut-to-length bridging with cover | 352 V |
| - At cut-to-length bridging with partition plate | 440 V |
| Rated insulation voltage | 400 V |
| output | (Permanent) |

Ex level General

| | |
|----------------------|---------------------------|
| Rated voltage | 440 V |
| Rated current | 23 A (4 mm ²) |
| Maximum load current | 27 A (6 mm ²) |

Ex connection data General

| | |
|------------------------------|---|
| Nominal cross section | 4 mm ² |
| Rated cross section AWG | 12 |
| Connection capacity rigid | 0.2 mm ² ... 6 mm ² |
| Connection capacity AWG | 24 ... 10 |
| Connection capacity flexible | 0.2 mm ² ... 4 mm ² |
| Connection capacity AWG | 24 ... 12 |
| output | (Permanent) |

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Ex level Level 1

| | |
|--------------------|-------------|
| Contact resistance | 0.67 mΩ |
| output | (Permanent) |

Ex level Level 2

| | |
|--------------------|---------|
| Contact resistance | 0.49 mΩ |
|--------------------|---------|

Dimensions

| | |
|--------------------|---------|
| Width | 6.2 mm |
| End cover width | 2.2 mm |
| Height | 83.5 mm |
| Depth on NS 35/7,5 | 47.5 mm |
| Depth on NS 35/15 | 55 mm |

Material specifications

| | |
|--|-------------------|
| Color | orange (RAL 2003) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| 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 | 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 % |

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Standards and regulations

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

Mounting

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

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Drawings

Circuit diagram



PTTB 4 OG - Double-level terminal block





3211792

<https://www.phoenixcontact.com/us/products/3211792>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3211792>

|  CSA Approval ID: 158887 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 300 V | 30 A | 24 - 10 | - |
| C | 300 V | 30 A | 24 - 10 | - |
| D | 600 V | 5 A | 24 - 10 | - |

|  cULus Recognized Approval ID: E60425 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| B | 300 V | 28 A | 24 - 10 | - |
| C | 300 V | 28 A | 24 - 10 | - |
| D | 600 V | 5 A | 24 - 10 | - |

|  LR Approval ID: LR2371832TA | |
|---|--|
|---|--|

|  NK Approval ID: 22ME0007 | |
|--|--|
|--|--|

|  PRS Approval ID: TE/2107/880590/21 | |
|--|--|
|--|--|

| ABS Approval ID: 21-2192245-PDA | |
|---|--|
|---|--|


| DNV Approval ID: TAE000010T | |
|---------------------------------------|--|
|---------------------------------------|--|


PTTB 4 OG - Double-level terminal block





3211792


<https://www.phoenixcontact.com/us/products/3211792>

|  IECEx Approval ID: IECExPTB10.0046U | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Only flexible conductors | 440 V | 23 A | - | 0.2 - 4 |
| Only rigid conductors | 440 V | 27 A | - | 0.2 - 6 |

|  ATEX Approval ID: PTB09ATEX1112U | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Only flexible conductors | 440 V | 23 A | - | 0.2 - 4 |
| Only rigid conductors | 440 V | 27 A | - | 0.2 - 6 |

|  CCC Approval ID: 2020322313000631 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  UKCA-EX Approval ID: CSAE 22UKEX1100U | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

|  EAC Ex Approval ID: KZ 7500525010101950 | | | | |
|---|--|--|--|--|
|---|--|--|--|--|

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250102 |
| ECLASS-15.0 | 27250102 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000897 |
|-----------|----------|

UNSPSC

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

PTTB 4 OG - Double-level terminal block



3211792

<https://www.phoenixcontact.com/us/products/3211792>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - 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