# PTPOWER 50 BU - High-current terminal block

3260051

https://www.phoenixcontact.com/gb/products/3260051

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.






High-current terminal block, nom. voltage: 1000 V, nominal current: 150 A, number of connections: 2, number of positions: 1, connection method: PowerTurn connection, 1 level, cross section: 10 mm$^2$ - 70 mm$^2$, mounting type: NS 35/15, color: blue

## Your advantages

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- In addition to using the existing test pick-off, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design enables wiring in a confined space

## Commercial data

| | |
|---|---|
| Item number | 3260051 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE2211 |
| Product key | BE2211 |
| GTIN | 4046356998017 |
| Weight per piece (including packing) | 159 g |
| Weight per piece (excluding packing) | 143 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

# Technical data

## Product properties

| | |
|---|---|
| Product type | High current terminal block |
| Number of positions | 1 |
| Number of connections | 2 |
| Number of rows | 1 |
| Potentials | 1 |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

## Electrical properties

| | |
|---|---|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 4.73 W |

## Connection data

| | |
|---|---|
| Number of connections per level | 2 |
| Nominal cross section | 50 mm² |
| Rated cross section AWG | 2/0 |

1 level

| | |
|---|---|
| Connection method | PowerTurn connection |
| Stripping length | 30 mm ... 32 mm |
| Internal cylindrical gage | A10 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 10 mm² ... 70 mm² |
| Cross section AWG | 6 ... 2/0 (converted acc. to IEC) |
| Conductor cross-section flexible | 10 mm² ... 70 mm² |
| Conductor cross-section, flexible [AWG] | 6 ... 2/0 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 10 mm² ... 50 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 10 mm² ... 50 mm² |
| Cross-section with insertion bridge, rigid | 10 mm² ... 50 mm² |
| Cross-section with insertion bridge, flexible | 10 mm² ... 50 mm² |
| Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve | 10 mm² (50 mm²) |
| Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve | 10 mm² ... 50 mm² |
| Nominal current | 150 A |
| Maximum load current | 150 A (with 50 mm² conductor cross-section) |
| Nominal voltage | 1000 V |

1 level Connection cross sections directly pluggable

| | |
|---|---|
| Conductor cross-section rigid | 10 mm² ... 70 mm² |

| | |
|---|---|
| Conductor cross-section, rigid [AWG] | 8 ... 2/0 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 10 mm² ... 50 mm² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 10 mm² ... 50 mm² |

## Ex data

Rated data (ATEX/IECEx)

| | |
|---|---|
| Identification | Ⓔx II 2 GD Ex eb IIC Gb |
| Operating temperature range | -60 °C ... 110 °C |
| Ex-certified accessories | 1206612 SZF 3-1,0X5,5 |
| | 1201662 E/AL-NS 35 |
| List of bridges | / EB 2-20/PT / 3260067 |
| | / EB 3-20/PT / 3260068 |
| Bridge data | 131 A (50 mm²) |
| Ex temperature increase | 40 K (147 A / 50 mm²) |
| at bridging with insertion bridge | 1100 V |
| Rated insulation voltage | 1000 V |
| output | (Permanent) |

Ex level General

| | |
|---|---|
| Rated voltage | 1100 V |
| Rated current | 134 A |
| Maximum load current | 134 A |
| Contact resistance | 0.16 mΩ |

Ex connection data General

| | |
|---|---|
| Ferrule length | 30 mm ... 32 mm |
| Stripping length | 30 mm |
| Nominal cross section | 50 mm² |
| Rated cross section AWG | 1/0 |
| Connection capacity rigid | 10 mm² ... 70 mm² |
| Connection capacity AWG | 8 ... 2/0 |
| Conductor cross-section flexible, with ferrule without plastic sleeve min. | 16 mm² |
| Conductor cross-section flexible, with ferrule without plastic sleeve max. | 50 mm² |

## Dimensions

| | |
|---|---|
| Width | 20 mm |
| Height | 101 mm |
| Depth on NS 35/15 | 105 mm |

## Material specifications

| | |
|---|---|
| Color | blue (RAL 5015) |
| 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)) | 125 °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) | 27,5 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 |

## 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 % |

## Standards and regulations

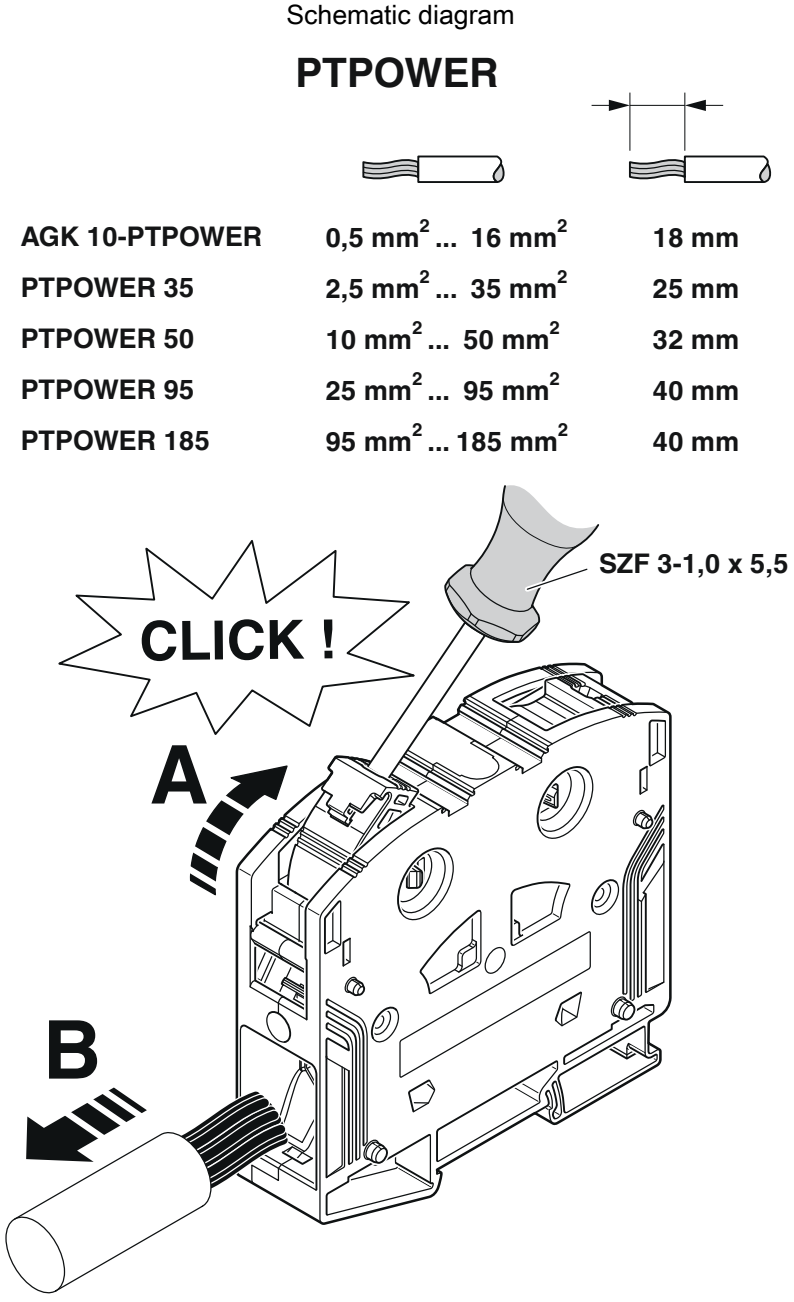
| | |
|---|---|
| Connection in acc. with standard | IEC 60947-7-1 |

## Mounting

| | |
|---|---|
| Mounting type | NS 35/15 |

## Drawings

Schematic diagram



Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/3260051

**cUL Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| C | | | | |
| | 1000 V | 140 A | 8 - 1/0 | - |

**UL Recognized**
Approval ID: E60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| E | | | | |
| | 1000 V | 140 A | 8 - 1/0 | - |

**DNV**
Approval ID: TAE00000Z9

**CSA**
Approval ID: 13631

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| B | | | | |
| | 600 V | 140 A | 8 - 1/0 | - |
| C | | | | |
| | 1000 V | 140 A | 8 - 1/0 | - |

**CCC**
Approval ID: 2020322313000630

**UKCA-EX**
Approval ID: CML 22UKEX1227U

**IECEx**
Approval ID: IECExSEV14.0013U

**ATEX**
Approval ID: SEV14ATEX0156U

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |

| | | | | |
|---|---|---|---|---|
| Only rigid conductors | 1100 V | 134 A | - | 10 - 70 |
| multi-stranded with ferrule | 1100 V | 134 A | - | 16 - 50 |

**IECEx**
Approval ID: IECExSEV14.0013U

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 1100 V | 134 A | - | - |
| Only rigid conductors | 1100 V | 134 A | - | - |
| multi-stranded with ferrule | 1100 V | 134 A | - | - |

**EAC Ex**
Approval ID: KZ 7500525010101950

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27250101 |
| ECLASS-15.0 | 27250101 |

### ETIM

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

### UNSPSC

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

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 1.983 kg CO2e |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk