

PTPOWER 185-3L - High-current terminal block



1054728

<https://www.phoenixcontact.com/us/products/1054728>

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High-current terminal block, Blocked, nom. voltage: 1000 V, nominal current: 309 A, number of connections: 6, number of positions: 3, connection method: PowerTurn connection, 1 level, cross section: 95 mm² - 185 mm², mounting type: NS 35/15, color: gray

Your advantages

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- The compact design enables wiring in a confined space
- 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
- 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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1054728 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BE22 |
| Product key | BE2211 |
| GTIN | 4055626690933 |
| Weight per piece (including packing) | 1,059.6 g |
| Weight per piece (excluding packing) | 1,059.6 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|-----------------------|-----------------------------|
| Product type | High current terminal block |
| Number of positions | 3 |
| Pitch | 31 mm |
| Number of connections | 6 |
| Number of rows | 1 |
| Potentials | 3 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 8 kV |
| Maximum power dissipation for nominal condition | 9.55 W |

Connection data

| | |
|---------------------------------|---------------------|
| Number of connections per level | 6 |
| Nominal cross section | 150 mm ² |

1 level

| | |
|--|--|
| Connection method | PowerTurn connection |
| Stripping length | 40 mm |
| Internal cylindrical gage | B14 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 95 mm ² ... 185 mm ² |
| Cross section AWG | 3/0 ... 350 kcmil (converted acc. to IEC) |
| Conductor cross-section flexible | 95 mm ² ... 185 mm ² |
| Conductor cross-section, flexible [AWG] | 3/0 ... 350 kcmil (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 95 mm ² ... 150 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 95 mm ² ... 150 mm ² |
| Cross-section with insertion bridge, rigid | 95 mm ² ... 150 mm ² |
| Cross-section with insertion bridge, flexible | 95 mm ² ... 150 mm ² |
| Cross-section with insertion bridge, flexible, with ferrule without plastic sleeve | 95 mm ² (120 mm ²) |
| Cross-section with insertion bridge, flexible, with ferrule with plastic sleeve | 95 mm ² ... 120 mm ² |
| Nominal current | 309 A |
| Maximum load current | 309 A (with 150 mm ² conductor cross-section) |
| Nominal voltage | 1000 V |

1 level Connection cross sections directly pluggable

| | |
|-------------------------------|--|
| Conductor cross-section rigid | 95 mm ² ... 185 mm ² |
|-------------------------------|--|

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| | |
|---|--|
| Conductor cross-section flexible (ferrule without plastic sleeve) | 95 mm ² ... 150 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 95 mm ² ... 150 mm ² |

Dimensions

| | |
|-------|-------|
| Width | 93 mm |
| Pitch | 31 mm |

Material specifications

| | |
|--|-----------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| 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 (storage/transport) | 30 % ... 70 % |

Standards and regulations

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

Mounting

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

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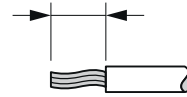
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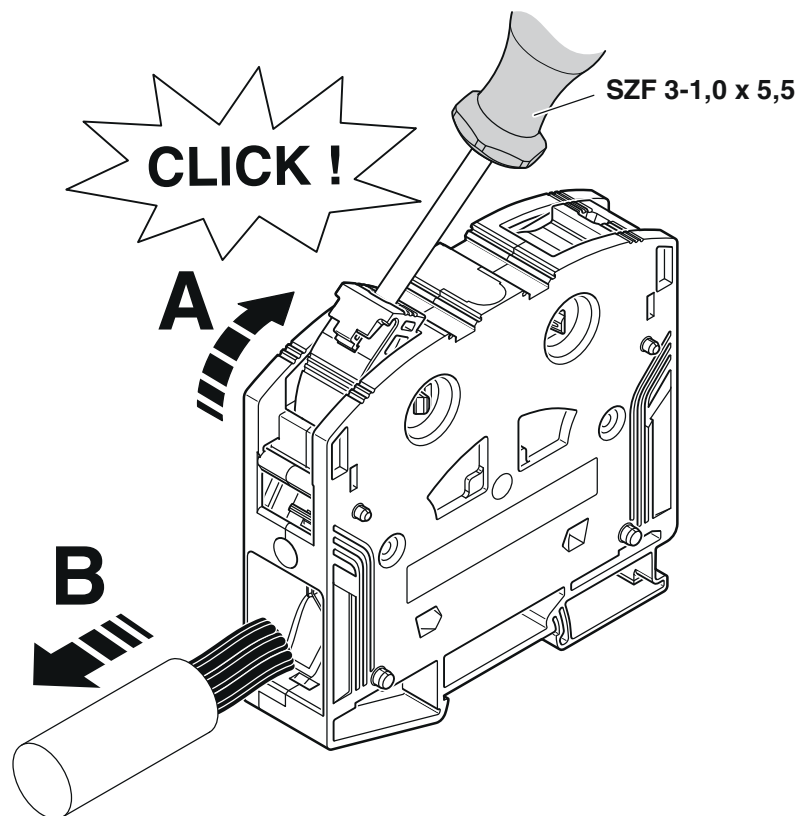
Drawings

Schematic diagram

PTPOWER



| | | |
|----------------|--|-------|
| AGK 10-PTPOWER | 0,5 mm ² ... 16 mm ² | 18 mm |
| PTPOWER 35 | 2,5 mm ² ... 35 mm ² | 25 mm |
| PTPOWER 50 | 10 mm ² ... 50 mm ² | 32 mm |
| PTPOWER 95 | 25 mm ² ... 95 mm ² | 40 mm |
| PTPOWER 185 | 95 mm ² ... 185 mm ² | 40 mm |



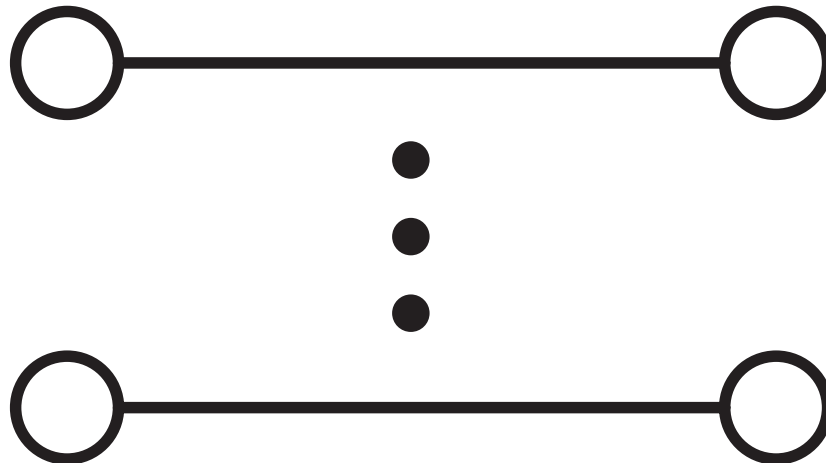
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Circuit diagram



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Classifications

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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