

PTRVB 8-FI /BN - Potential distributors



1067596

<https://www.phoenixcontact.com/us/products/1067596>

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Potential distributors, with option to supply up to 6 mm², nom. voltage: 250 V, nominal current: 17.5 A, connection method: Push-in connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 2.5 mm², Feed-in stage, Rated cross section: 4 mm², cross section: 0.2 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray, color of connection elements: brown

Your advantages

- Bridgeable potential distributor with option to supply up to 6 mm²
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Tool-free wiring in a confined space thanks to compact size

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1067596 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BE62 |
| Product key | BE6211 |
| GTIN | 4055626737928 |
| Weight per piece (including packing) | 46.74 g |
| Weight per piece (excluding packing) | 46.74 g |
| Customs tariff number | 85369010 |
| Country of origin | PL |

Technical data

Product properties

| | |
|-----------------------|-----------------------|
| Product type | Potential distributor |
| Number of positions | 2 |
| Number of connections | 29 |
| Number of rows | 8 |
| Potentials | 1 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
|----------------------|-----|

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 4 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

Connection data

| | |
|---------------------------------|-----|
| Service Entrance | yes |
| Number of connections per level | 4 |

Level 1+2+3+4+5+6 above 1

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Cross section AWG | 26 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 1.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 1.5 mm ² |
| Nominal cross section | 1.5 mm ² |
| Nominal current | 17.5 A (with 1.5 mm ² conductor cross-section) |
| Maximum load current | 24 A (per chamber with 2.5 mm ² conductor cross-section) |
| Maximum total current | 37 A (per potential distributor) |
| Nominal voltage | 250 V |

Feed-in stage

| | |
|---|---|
| Note | Only the "CRIMPFOX 6" crimping pliers may be used for crimping with 6 mm ² stranded and ferrule. |
| Stripping length | 10 mm ... 12 mm |
| 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) |

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| | |
|---|--|
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.2 mm ² ... 6 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.2 mm ² ... 6 mm ² |
| Nominal cross section | 4 mm ² |
| Nominal current | 32 A (Supply, for 4 mm ² conductor cross-section) |
| Maximum load current | 37 A (Service Entrance) |
| Nominal voltage | 250 V |

Level 1+2+3+4+5+6 above 1 Connection cross sections directly pluggable

| | |
|---|--|
| Conductor cross-section rigid | 0.34 mm ² ... 2.5 mm ² |
| Conductor cross-section, rigid [AWG] | 20 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm ² ... 1.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.34 mm ² ... 1.5 mm ² |

Feed-in stage Connection cross sections directly pluggable

| | |
|---|--|
| Conductor cross-section rigid | 0.34 mm ² ... 6 mm ² |
| Conductor cross-section, rigid [AWG] | 24 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm ² ... 6 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.34 mm ² ... 6 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 8.3 mm |
| Height | 100 mm |
| Depth on NS 35/7,5 | 87.5 mm |
| Depth on NS 35/15 | 95 mm |

Material specifications

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

Mechanical properties

Mechanical data

| | |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature 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 (storage/transport) | 30 % ... 70 % |

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Standards and regulations

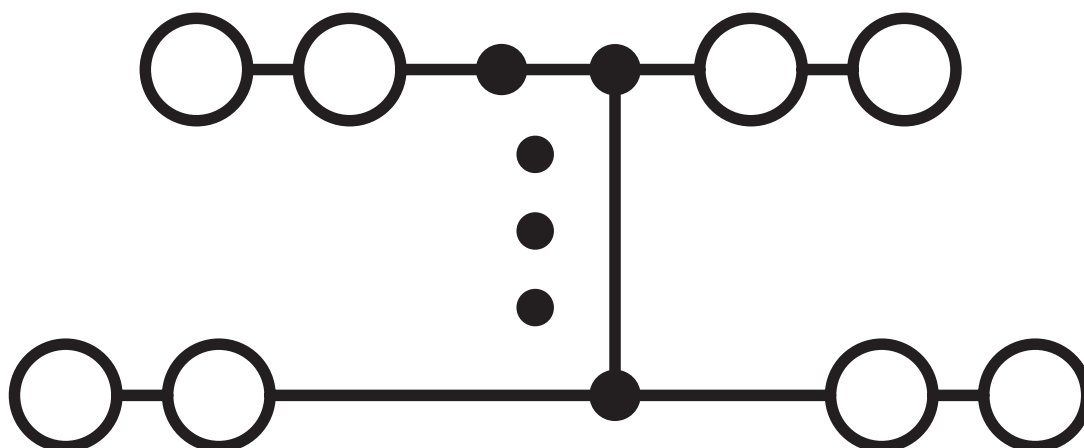
| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| | IEC 60947-7-1 |

Mounting

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

Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1067596>

 **CSA**
Approval ID: 158887

 **IECEE CB Scheme**
Approval ID: NL-58817

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 250 V | 17.5 A | - | - |


 **EAC**
Approval ID: RU C-DE.BL08.B.00682

 **cULus Recognized**
Approval ID: E60425

 **KEMA-KEUR**
Approval ID: 71-102890

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|--------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| Only flexible conductors | 250 V | 17.5 A | - | 0.14 - 1.5 |
| Only rigid conductors | 250 V | 17.5 A | - | 0.14 - 2.5 |

DNV
Approval ID: TAE000016Y

 **EAC**
Approval ID: KZ7500651131219505

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250105 |
| ECLASS-15.0 | 27250105 |

ETIM

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

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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