

# ST-BE - Component connector



2802316

<https://www.phoenixcontact.com/us/products/2802316>

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**Component connector**, to connect 2-pos. components to the basic terminal block, to be secured with screw-type clamping units, 19 mm high, max. 16 A

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2802316       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE19          |
| Product key                          | BE1Z3X        |
| GTIN                                 | 4017918074401 |
| Weight per piece (including packing) | 6.36 g        |
| Weight per piece (excluding packing) | 6.3 g         |
| Customs tariff number                | 85366990      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|              |                               |
|--------------|-------------------------------|
| Product type | Component plug terminal block |
| Pitch        | 6 mm                          |

### Insulation characteristics

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

### Electrical properties

|                     |      |
|---------------------|------|
| Rated surge voltage | 4 kV |
|---------------------|------|

### Connection data

|                               |                     |
|-------------------------------|---------------------|
| Nominal cross section         | 2.5 mm <sup>2</sup> |
| Connection method             | Plug-in connection  |
| Conductor cross-section rigid | 2.5 mm <sup>2</sup> |
| Nominal current               | 16 A                |
| Maximum load current          | 16 A                |
| Nominal voltage               | 250 V               |

### Dimensions

|        |       |
|--------|-------|
| Height | 42 mm |
| Depth  | 19 mm |
| Length | 42 mm |
| Pitch  | 6 mm  |

### Material specifications

|  |                 |
|--|-----------------|
| Color  | gray (RAL 7042) |
| 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          |

### Environmental and real-life conditions

#### Ambient conditions

|                                 |  |
|---------------------------------|--|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; |
|---------------------------------|--|

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

## Mounting

|               |                  |
|---------------|------------------|
| Mounting type | Pluggable (slot) |
|---------------|------------------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2802316>

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B  | 300 V                 | 10 A                  | 30 - 14           | -                           |
| C  | 300 V                 | 10 A                  | 30 - 14           | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250305 |
| ECLASS-15.0 | 27250305 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002018 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

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

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.037 kg CO2e |
|---------|---------------|

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)