

# P-CO - Component connector



3036796

<https://www.phoenixcontact.com/us/products/3036796>

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Component connector, for installing components that can be individually selected, nom. voltage: 250 V, nominal current: 6 A, connection method: Plug-in connection, pitch: 5.2 mm, depth: 33.2 mm, width: 5.1 mm, height: 24.2 mm, number of positions: 1, color: gray, mounting type: Pluggable (slot)

## Your advantages

- For assembly, the spring-cage connections are opened or closed inside the plug with just one turn of a standard screwdriver
- Can be used in all disconnect terminal blocks of the range ...-TG with 5.2 mm width or wider, from the PT, ST, QTC and UT series
- The P-CO patented component plug can accommodate components quickly and reliably using spring-cage contacts
- A coding recess ensures protection against polarity reversal

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3036796       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BE29          |
| Product key                          | BE2Z3X        |
| GTIN                                 | 4017918929145 |
| Weight per piece (including packing) | 3.693 g       |
| Weight per piece (excluding packing) | 3.65 g        |
| Customs tariff number                | 85366990      |
| Country of origin                    | PL            |

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## Technical data

### Notes

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Notes on operation | Components with a wire diameter from 0.5 mm up to 0.8 mm can be used |
|--------------------|----------------------------------------------------------------------|

### Product properties

|                     |                               |
|---------------------|-------------------------------|
| Product type        | Component plug terminal block |
| Number of positions | 1                             |
| Pitch               | 5.2 mm                        |
| Potentials          | 1                             |

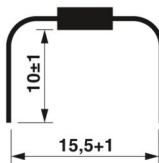
### Insulation characteristics

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

### Connection data

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Conductor cross section rigid    | 0.5 mm <sup>2</sup> ... 0.8 mm <sup>2</sup>             |
| Conductor cross section flexible | 0.5 mm <sup>2</sup> ... 0.8 mm <sup>2</sup>             |
| Nominal current                  | 6 A                                                     |
| Maximum load current             | 6 A (with 0.5 mm <sup>2</sup> conductor cross section)  |
| Nominal voltage                  | 250 V (the voltage is determined by the component used) |
| Nominal cross section            | 0.5 mm <sup>2</sup>                                     |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 5.1 mm                                                                               |
| Height              | 24.2 mm                                                                              |
| Depth               | 33.2 mm                                                                              |
| Pitch               | 5.2 mm                                                                               |

### Material specifications

|                                                                  |                 |
|------------------------------------------------------------------|-----------------|
| Color                                                            | gray (RAL 7042) |
| Flammability rating according to UL 94                           | V0              |
| 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     |

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|                                                         |             |
|---------------------------------------------------------|-------------|
| 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; 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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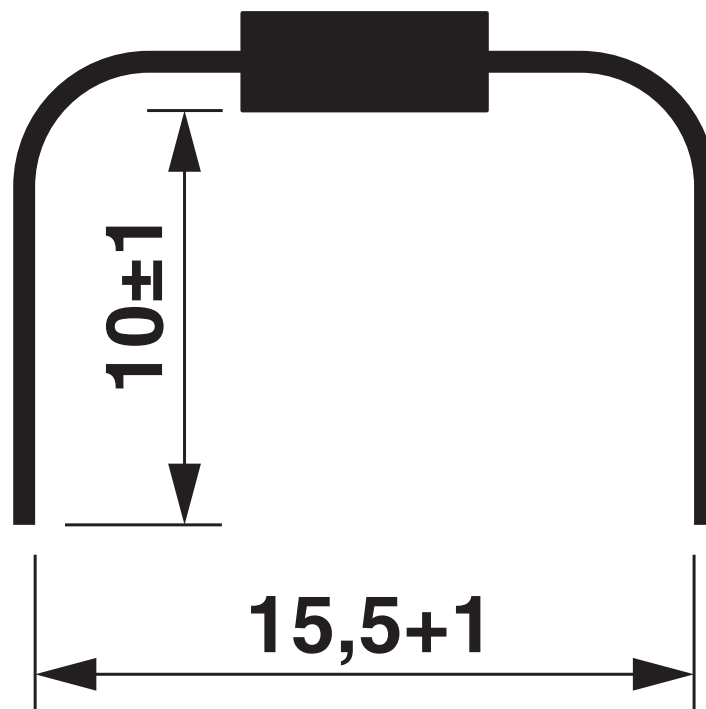
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## Drawings

Dimensional drawing



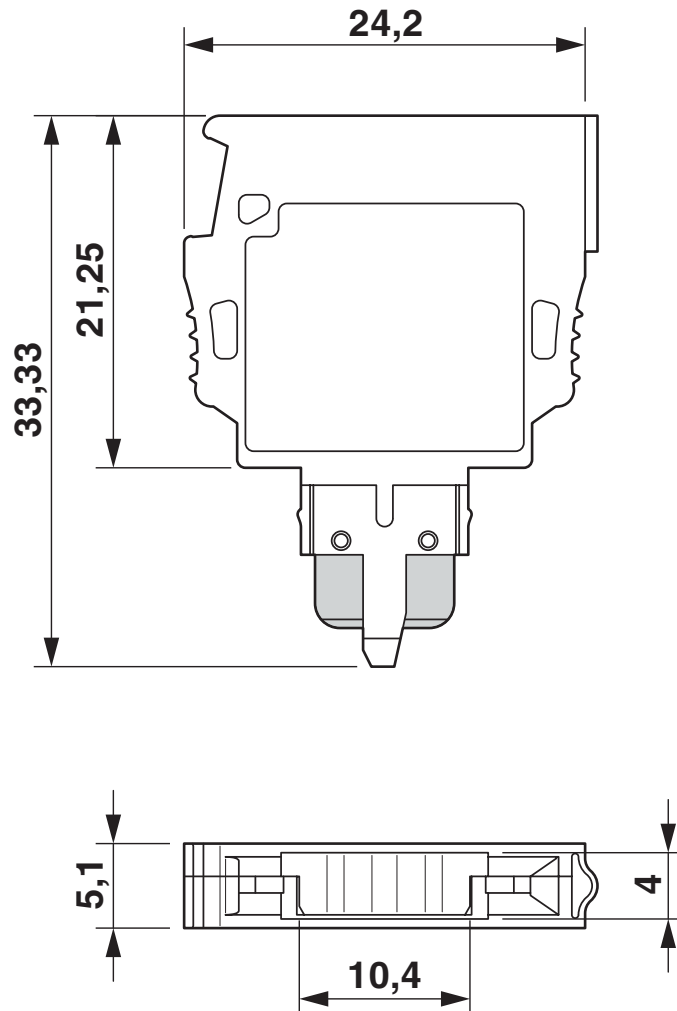
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Dimensional drawing



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## Approvals

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**CSA**

Approval ID: 2030668

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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% |
|-------------------------------------|----------------------------|

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.027 kg CO2e |
|---------|---------------|

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